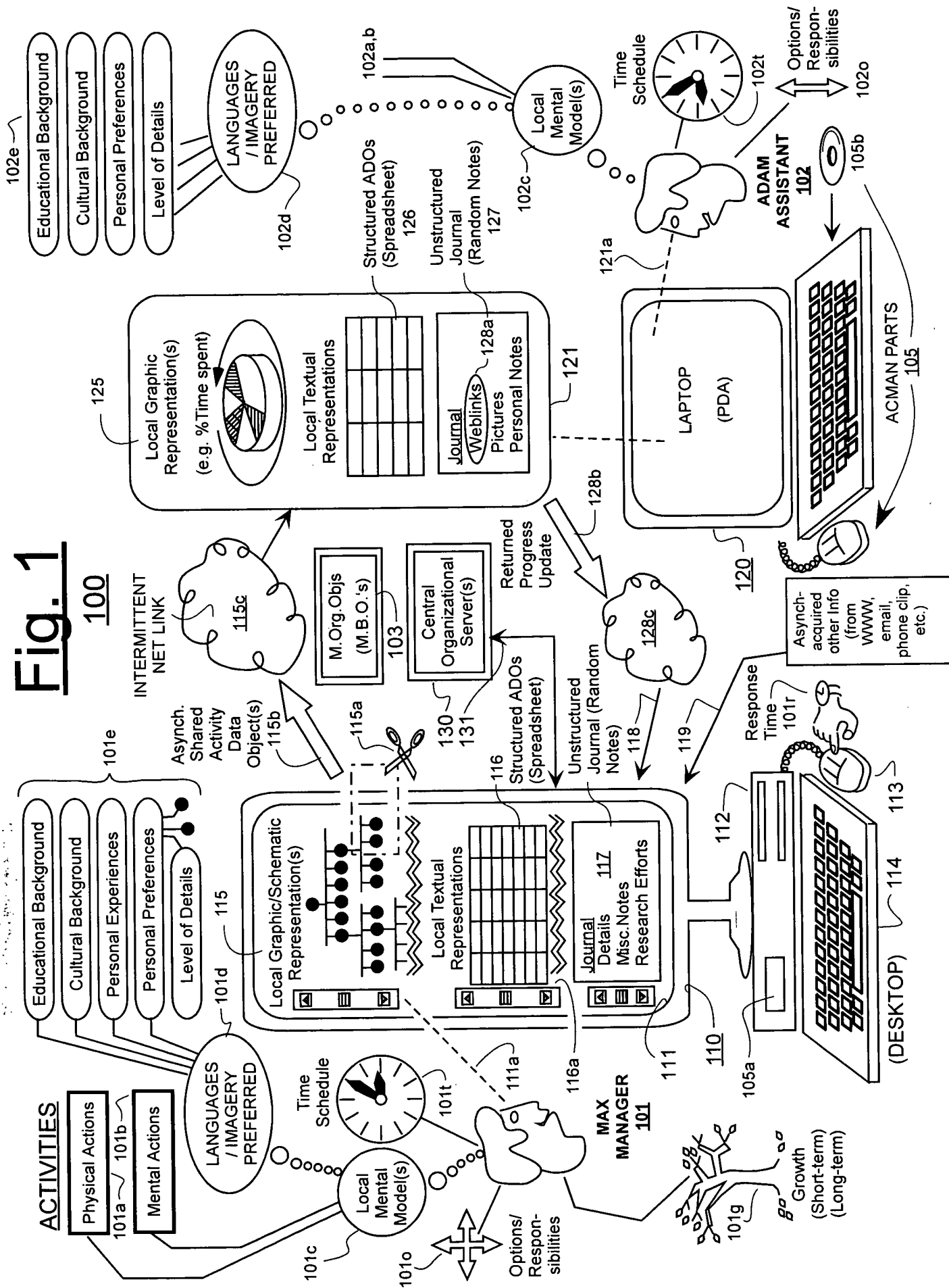
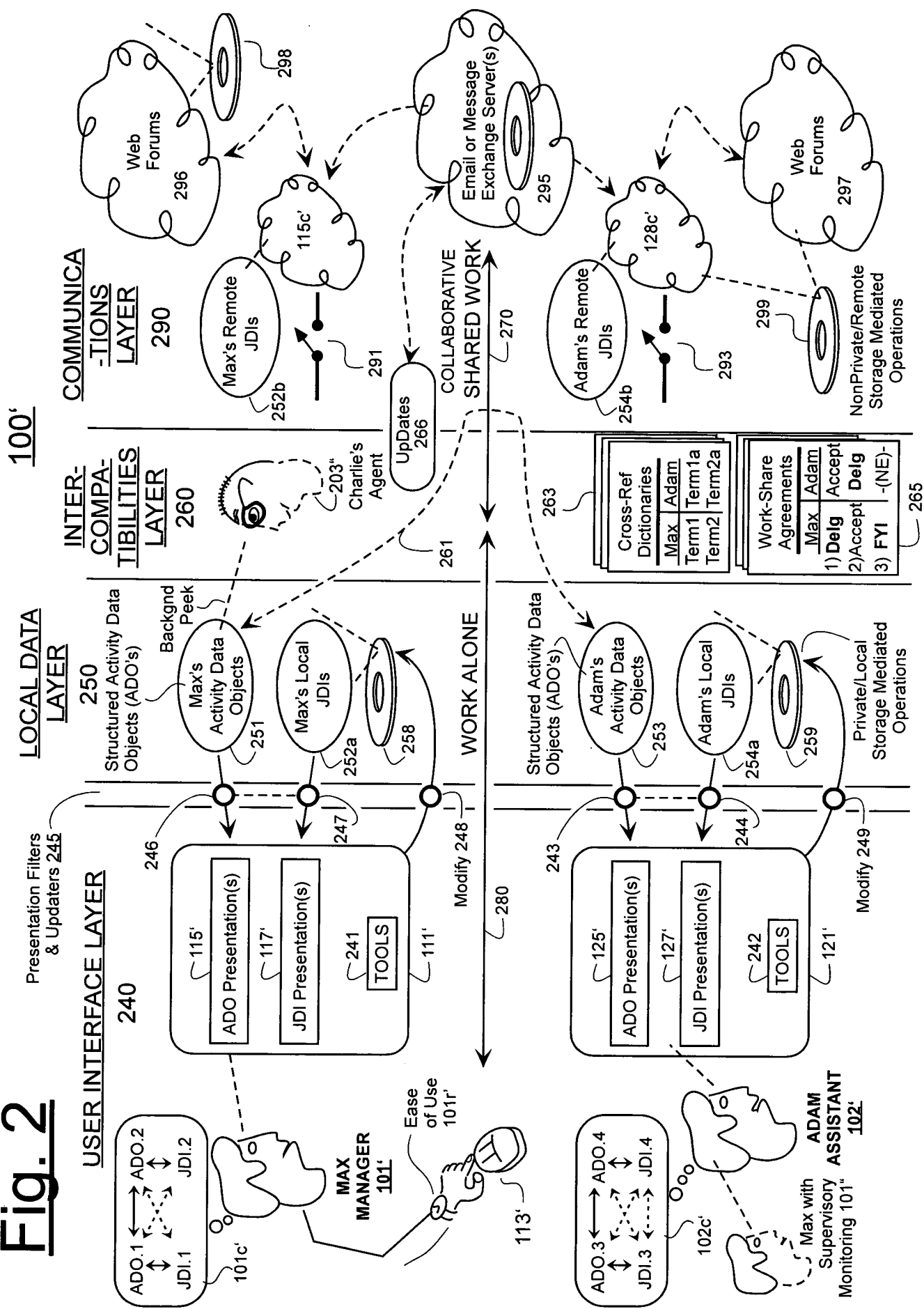
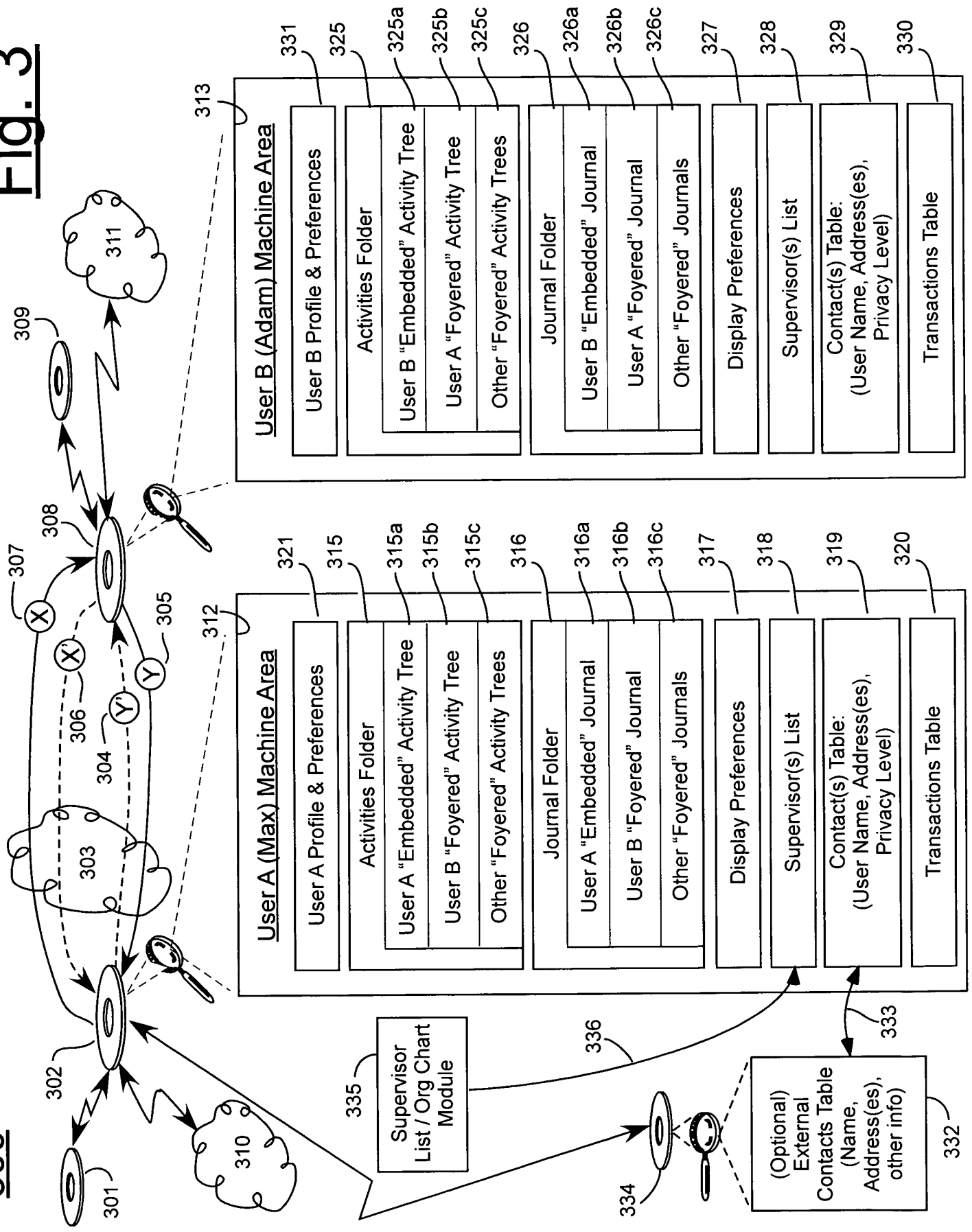


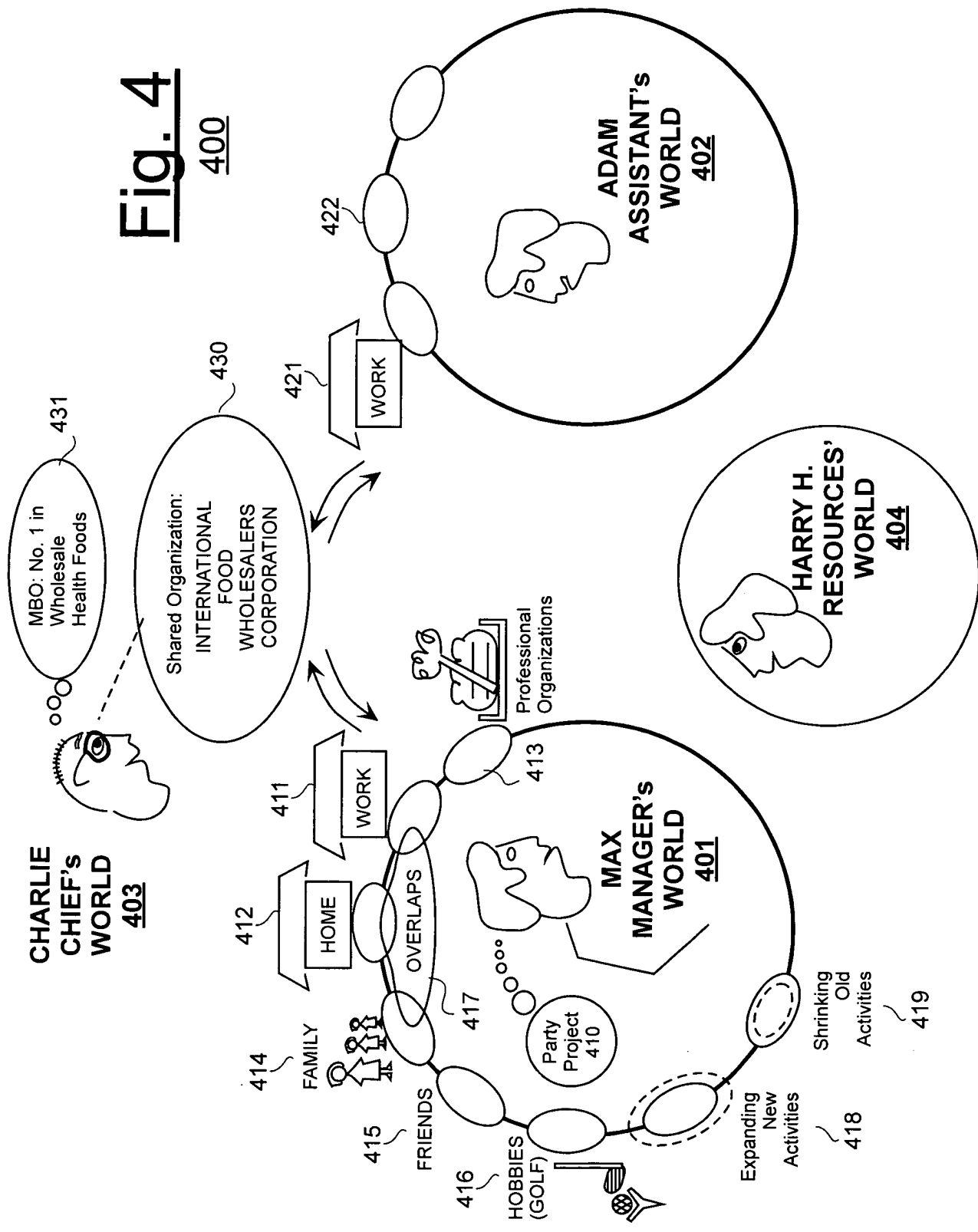
# Fig. 1



**Fig. 2**

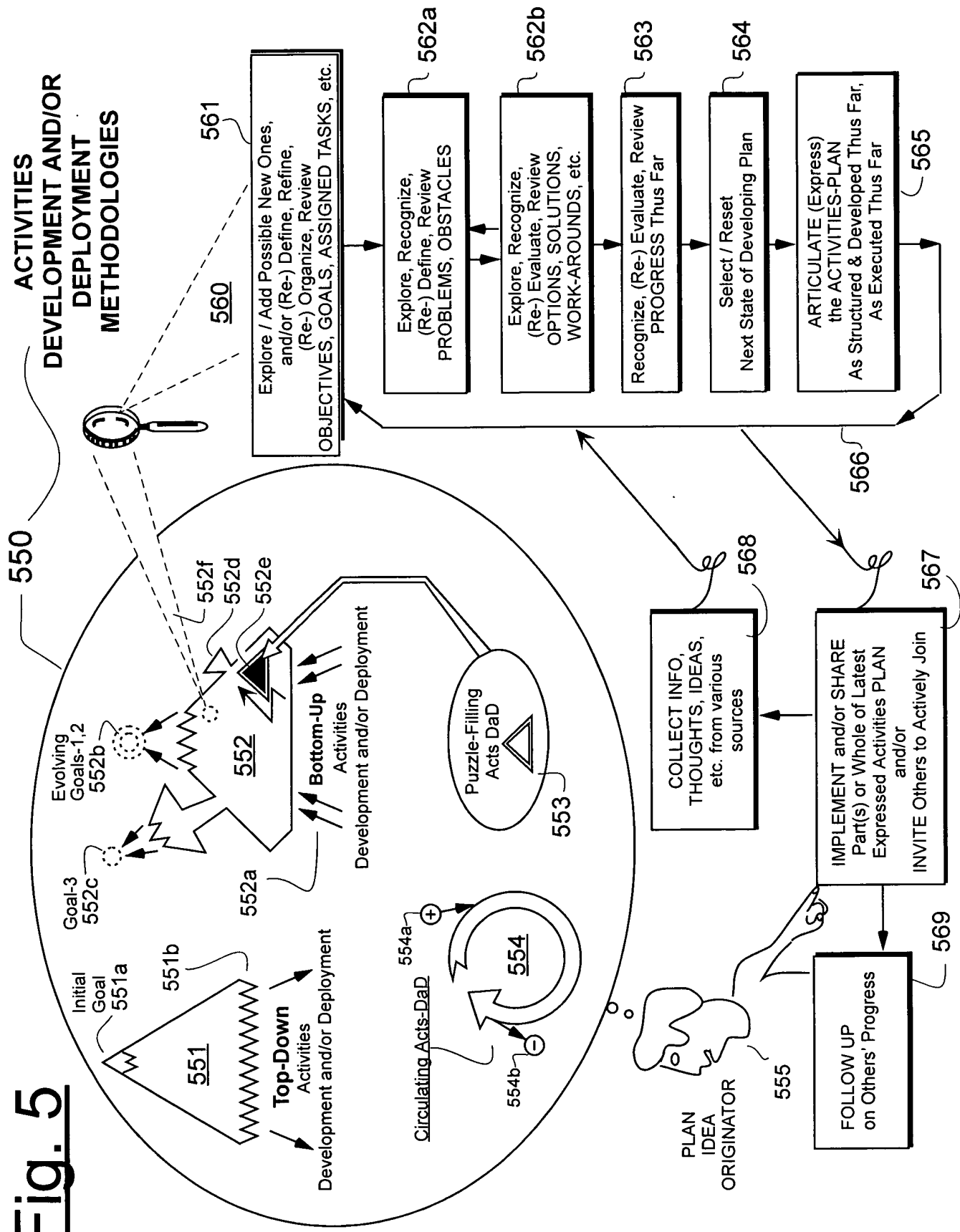






**Fig. 4**

# Fig. 5



# Fig. 6A

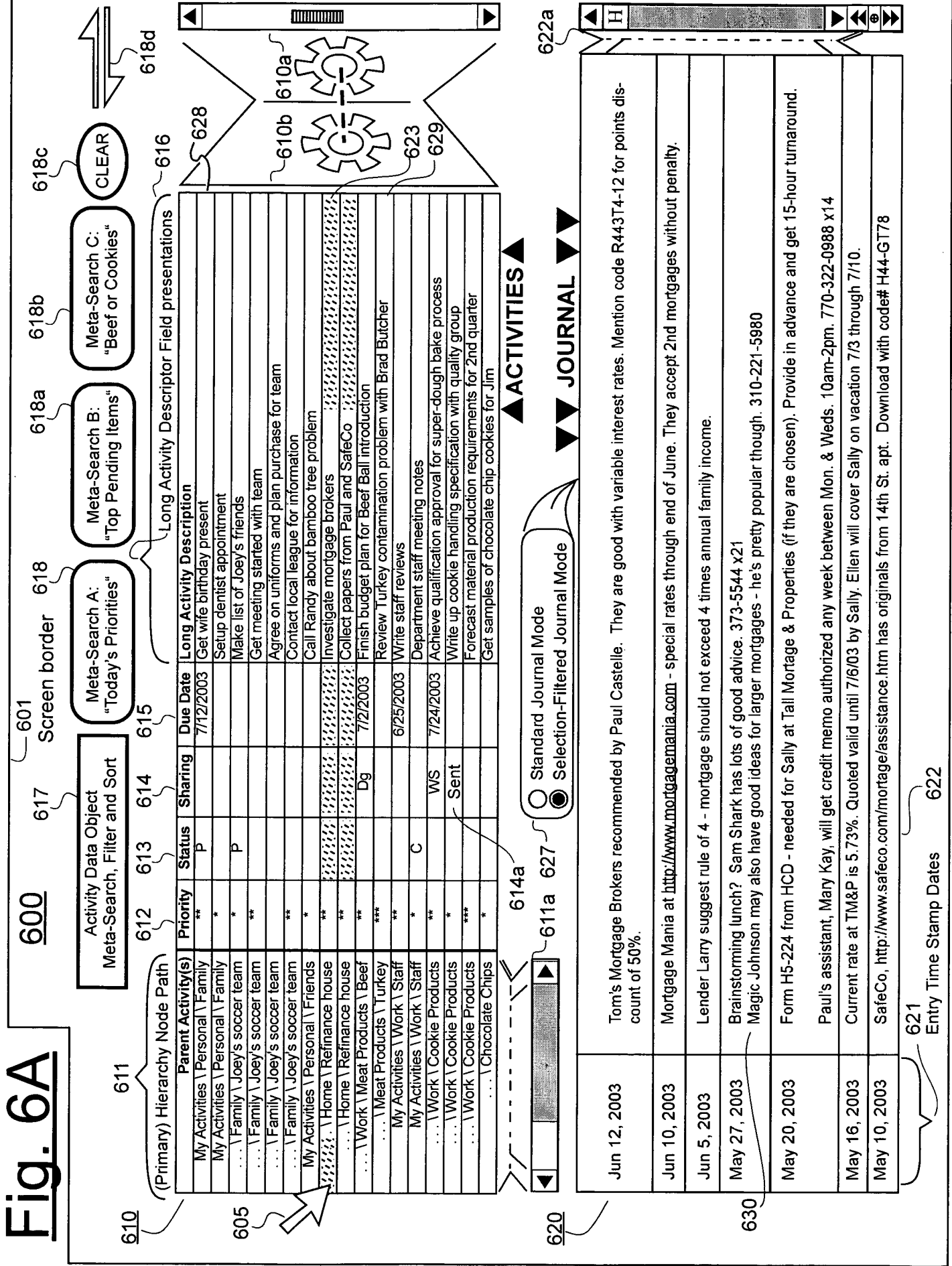


Fig. 6B

600' Screen border

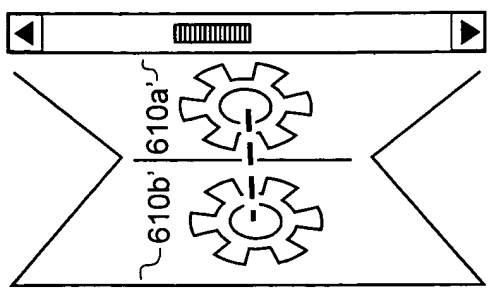
CLEAR

Meta-Search C:  
"Beef or Cookies"

Meta-Search B:  
"Top Pending Items"

Meta-Search A:  
"Today's Priorities"

Activity Data Object  
Meta-Search, Filter and Sort



Parent Activity(s)	Priority	Status	Sharing	Due Date	Long Activity Description
My Activities \ Personal \ Family	**	P		7/12/2003	Get wife birthday present
My Activities \ Personal \ Family	*				Setup dentist appointment
... \ Family \ Joey's soccer team	*	P			Make list of Joey's friends
... \ Family \ Joey's soccer team	**				Get meeting started with team
... \ Family \ Joey's soccer team	**				Agree on uniforms and plan purchase for team
... \ Family \ Joey's soccer team	**				Contact local league for information
My Activities \ Personal \ Friends	*				Call Randy about bamboo tree problem
... \ Home \ Refinance house	**				Investigate mortgage brokers
... \ Home \ Refinance house	**				Collect papers from Paul and SafeCo
... \ Work \ Meat Products \ Beef	**		Dg	7/2/2003	Finish budget plan for Beef Ball introduction
... \ Meat Products \ Turkey	***				Review Turkey contamination problem with Brad Butcher
My Activities \ Work \ Staff	**			6/25/2003	Write staff reviews
My Activities \ Work \ Staff	*	C			Department staff meeting notes
... \ Work \ Cookie Products	**		WS	7/24/2003	Achieve qualification approval for super-dough bake process
... \ Work \ Cookie Products	*				Write up cookie handling specification with quality group
... \ Work \ Cookie Products	**				Forecast material production requirements for 2nd quarter
... \ Chocolate Chips	*				Get samples of chocolate chip cookies for Jim

ACTIVITIES

Standard Journal Mode  
Selection-Filtered Journal Mode

JOURNAL

Jun 12, 2003 (Thu)	Tom's Mortgage Brokers recommended by Paul Castelle. They are good with variable interest rates. Mention code R443T4-12 for points discount of 50%.
Jun 11, 2003 (Wed)	Tom Pringle flight UA887 from Aalborg, Denmark to JFK arrives 2:15pm.  Rick's Jewelers 408-445-9978. Sam is in Mon, Tues, and Weds until 7pm. Pearl necklace, item #NPR443 \$350 quoted.  Spec D44223 has list of qualification requirements. See section 8 - Temperature and Moisture testing; Brad Butcher wants to use smaller sample size per standard requirements, but he does not understand bad cost effect on later production testing. Qualification requires FD&A Yellow #228. #228 cost going from \$1.20 per liter to \$1.40 per liter as of 8/03.
Jun 10, 2003 (Tue)	Mortgage Mania at www.mortgagemania.com - special rates through end of June. They accept 2nd mortgages without penalty.  Tommy Klein, John Basser, Richard Chin, Carlton Jackson - all interested in playing soccer, but John has sprained ankle. Katie called and wants to play - is league coed?

621'

Fig. 6C

600"

601" Screen border

Activity Data Object  
Meta-Search, Filter and Sort

Meta-Search A:  
"Today's Priorities"

Meta-Search B:  
"Top Pending Items"

Meta-Search C:  
"Beef or Cookies"

CLEAR

610"

Parent Activity(s)	Priority	Status	Sharing	Due Date	Long Activity Description
My Activities \ Personal \ Family	**	P		7/12/2003	Get wife birthday present
My Activities \ Personal \ Family	*				Setup dentist appointment
... \ Family \ Joey's soccer team	*	P			Make list of Joey's friends
... \ Family \ Joey's soccer team	**				Get meeting started with team
... \ Family \ Joey's soccer team	**				Agree on uniforms and plan purchase for team
... \ Family \ Joey's soccer team	**				Contact local league for information
My Activities \ Personal \ Friends	*				Call Randy about bamboo tree problem
... \ Home \ Refinance house	**				Investigate mortgage brokers
... \ Home \ Refinance house	**				Collect papers from Paul and SafeCo
... \ Work \ Meat Products \ Beef	**		Dg	7/2/2003	Finish budget plan for Beef Ball introduction
... \ Meat Products \ Turkey	***				Review Turkey contamination problem with Brad Butcher
My Activities \ Work \ Staff	**			6/25/2003	Write staff reviews
My Activities \ Work \ Staff	*	C			Department staff meeting notes
... \ Work \ Cookie Products	**		WS	7/24/2003	Achieve qualification approval for super-dough bake process
... \ Work \ Cookie Products	*				Write up cookie handling specification with quality group
... \ Work \ Cookie Products	***				Forecast material production requirements for 2nd quarter
... \ Chocolate Chips	*				Get samples of chocolate chip cookies for Jim



▲ ACTIVITIES ▲

☒ Standard Journal Mode  
☐ Selection-Filtered Journal Mode

▼ JOURNAL ▼

635c

620"

Jun 12, 2003 (Thu)	Tom's Mortgage Brokers recommended by Paul Castelle. They are good with variable interest rates. Mention code R443T4-12 for points discount of 50%.
Jun 11, 2003 (Wed)	Tom Pringle flight UA887 from Aalborg, Denmark to JFK arrives 2:15pm.  Rick's Jewelers 408-445-9978. Sam is in Mon, Tues, and Weds until 7pm. Pearl necklace, item #NPR443 \$350 quoted.  Spec D44223 has list of qualification requirements. See section 8 - Temperature and Moisture testing. Brad Butcher wants to use smaller sample size per standard requirements, but he does not understand bad cost effect on later production testing. Qualification requires FD&A Yellow #228. #228 cost going from \$1.20 per liter to \$1.40 per liter as of 8/03.
Jun 10, 2003 (Tue)	Mortgage Mania at www.mortgagemania.com - special rates through end of June. They accept 2nd mortgages without penalty. Tommy Klein, John Basser, Richard Chin, Carlton Jackson - all interested in playing soccer, but John has sprained ankle. Katie called and wants to play - is league coed?

624"

635b

635d



# Fig. 6D

601" Screen border

Activity Data Object  
Meta-Search, Filter and Sort

Meta-Search A:  
"Today's Priorities"

Meta-Search B:  
"Top Pending Items"

Meta-Search C:  
"Beef or Cookies"

CLEAR

610"

(Primary) Hierarchy Node Path

Long Activity Descriptor Field presentations

Parent Activity(s)	Priority	Status	Sharing	Due Date	Long Activity Description
My Activities \ Personal \ Family	**	P		7/12/2003	Get wife birthday present
My Activities \ Personal \ Family	*				Setup dentist appointment
... \ Family \ Joey's soccer team	*	P			Make list of Joey's friends
... \ Family \ Joey's soccer team	**				Get meeting started with team
... \ Family \ Joey's soccer team	**				Agree on uniforms and plan purchase for team
... \ Family \ Joey's soccer team	**				Contact local league for information
My Activities \ Personal \ Friends	*				Call Randy about bamboo tree problem
... \ Home \ Refinance house	**				Investigate mortgage brokers
... \ Home \ Refinance house	**				Collect papers from Paul and SafeCo
... \ Work \ Meat Products \ Beef	**		Dg	7/2/2003	Finish budget plan for Beef Ball introduction
... \ Meat Products \ Turkey	**				Review Turkey contamination problem with Brad Butcher
My Activities \ Work \ Staff	**			6/25/2003	Write staff reviews
My Activities \ Work \ Staff	*	C			Department staff meeting notes
... \ Work \ Cookie Products	**		WS	7/24/2003	Achieve qualification approval for super-dough bake process
... \ Work \ Cookie Products	*		Sent		Write up cookie handling specification with quality group
... \ Work \ Cookie Products	**				Forecast material production requirements for 2nd quarter
... \ Chocolate Chips	*				Get samples of chocolate chip cookies for Jim

605"

631

▲ ACTIVITIES ▲

Standard Journal Mode  
Selection-Filtered Journal Mode

631a

▼ JOURNAL ▼

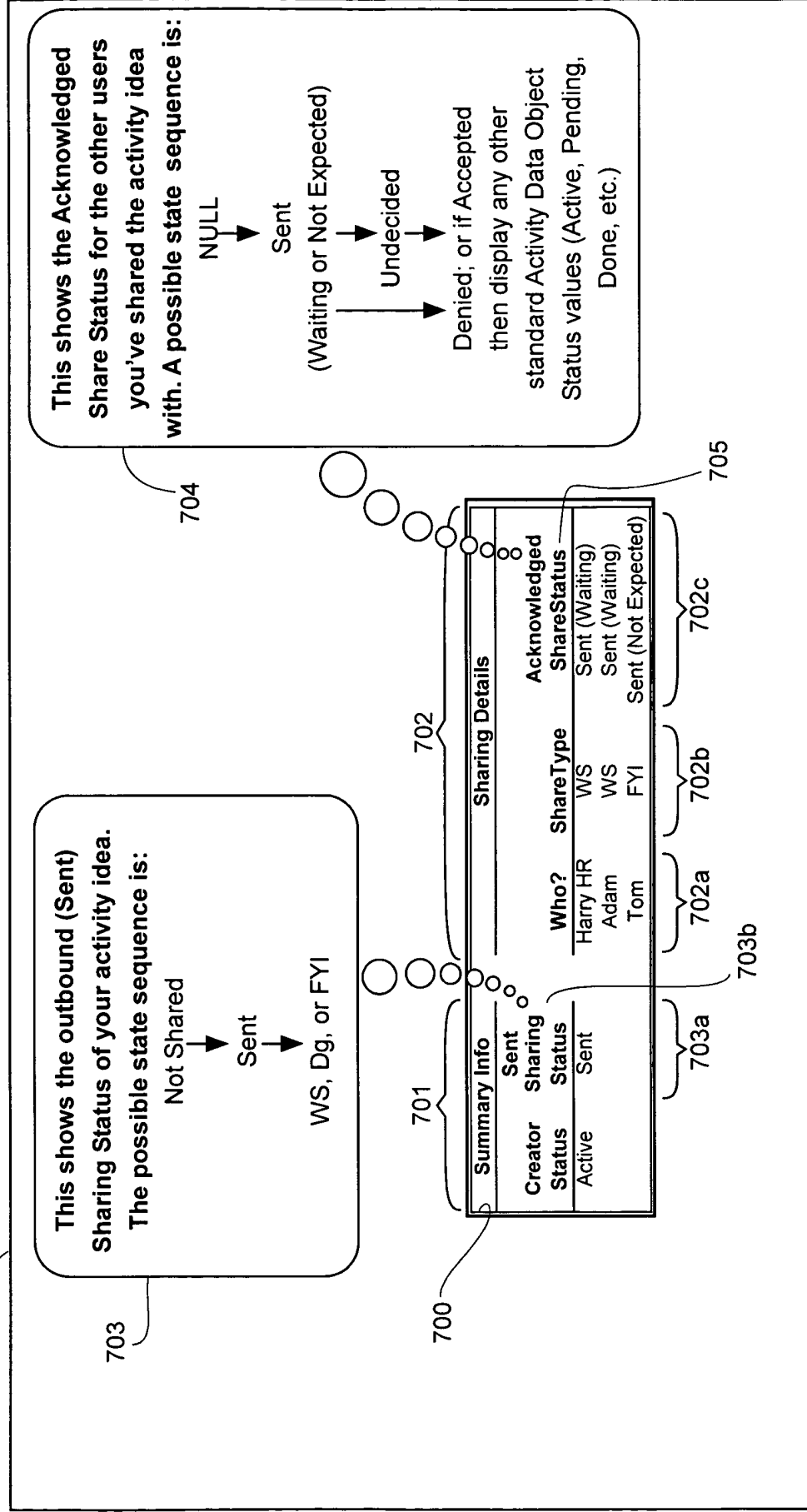
627"

620"

Jun 12, 2003	Tom's Mortgage Brokers recommended by Paul Castelle. They are good with variable interest rates. Mention code R443T4-12 for points discount of 50%.
Jun 10, 2003	Mortgage Mania at <a href="http://www.mortgagemania.com">http://www.mortgagemania.com</a> - special rates through end of June. They accept 2nd mortgages without penalty.
Jun 5, 2003	Lender Larry suggest rule of 4 - mortgage should not exceed 4 times annual family income.
May 27, 2003	Brainstorming lunch? Sam Shark has lots of good advice. 373-5544 x21 Magic Johnson may also have good ideas for larger mortgages - he's pretty popular though. 310-221-5980
May 20, 2003	Form H5-224 from HCD - needed for Sally at Tall Mortgage & Properties (if they are chosen). Provide in advance and get 15-hour turnaround. Paul's assistant, Mary Kay, will get credit memo authorized any week between Mon. & Weds. 10am-2pm. 770-322-0988 x14
May 16, 2003	Current rate at TM&P is 5.73%. Quoted valid until 7/6/03 by Sally. Ellen will cover Sally on vacation 7/3 through 7/10.
May 10, 2003	SafeCo, <a href="http://www.safeco.com/mortgage/assistance.htm">http://www.safeco.com/mortgage/assistance.htm</a> has originals from 14th St. apt. Download with code# H44-GT78

Fig. 7

710 Screen



**Legend:**

WS = WorkSharing

Dg = Delegated

FYI = For Your Information

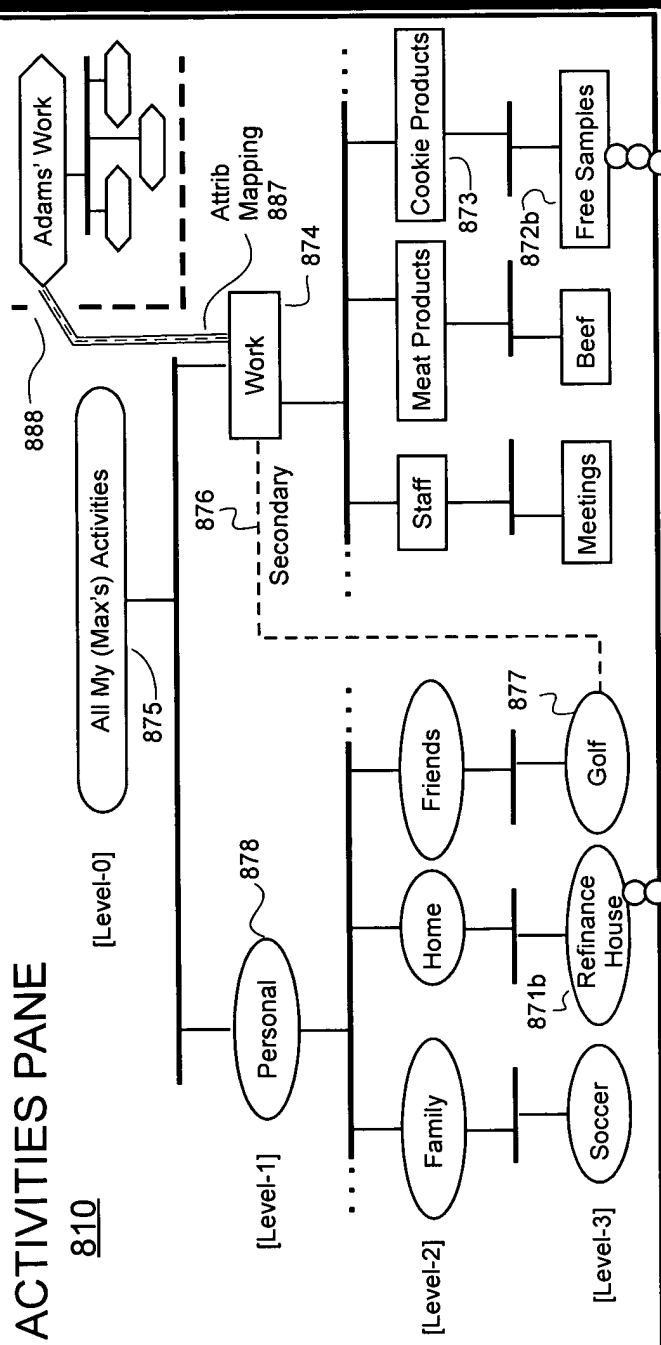
# Fig. 8

800 Screen border

801

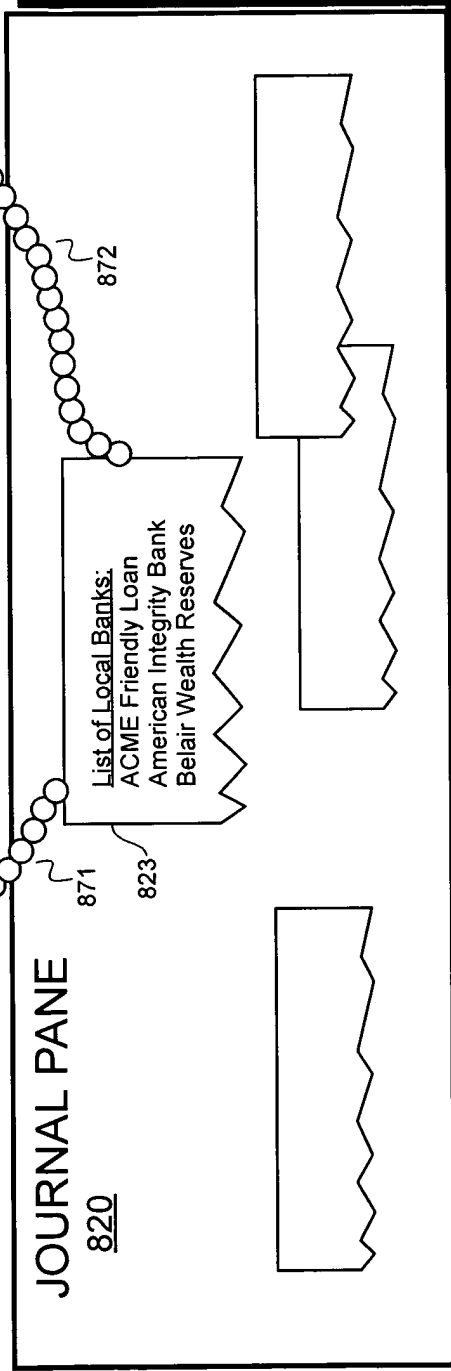
## ACTIVITIES PANE

810

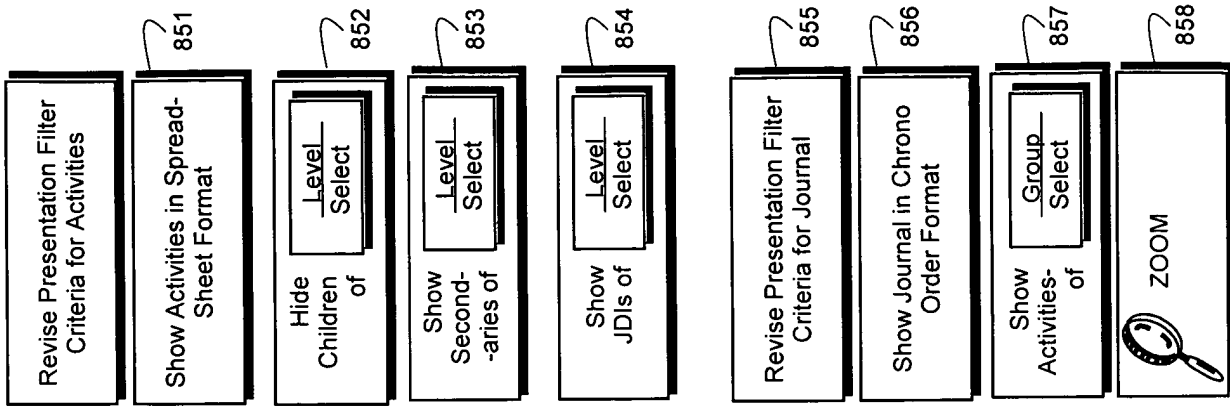


## JOURNAL PANE

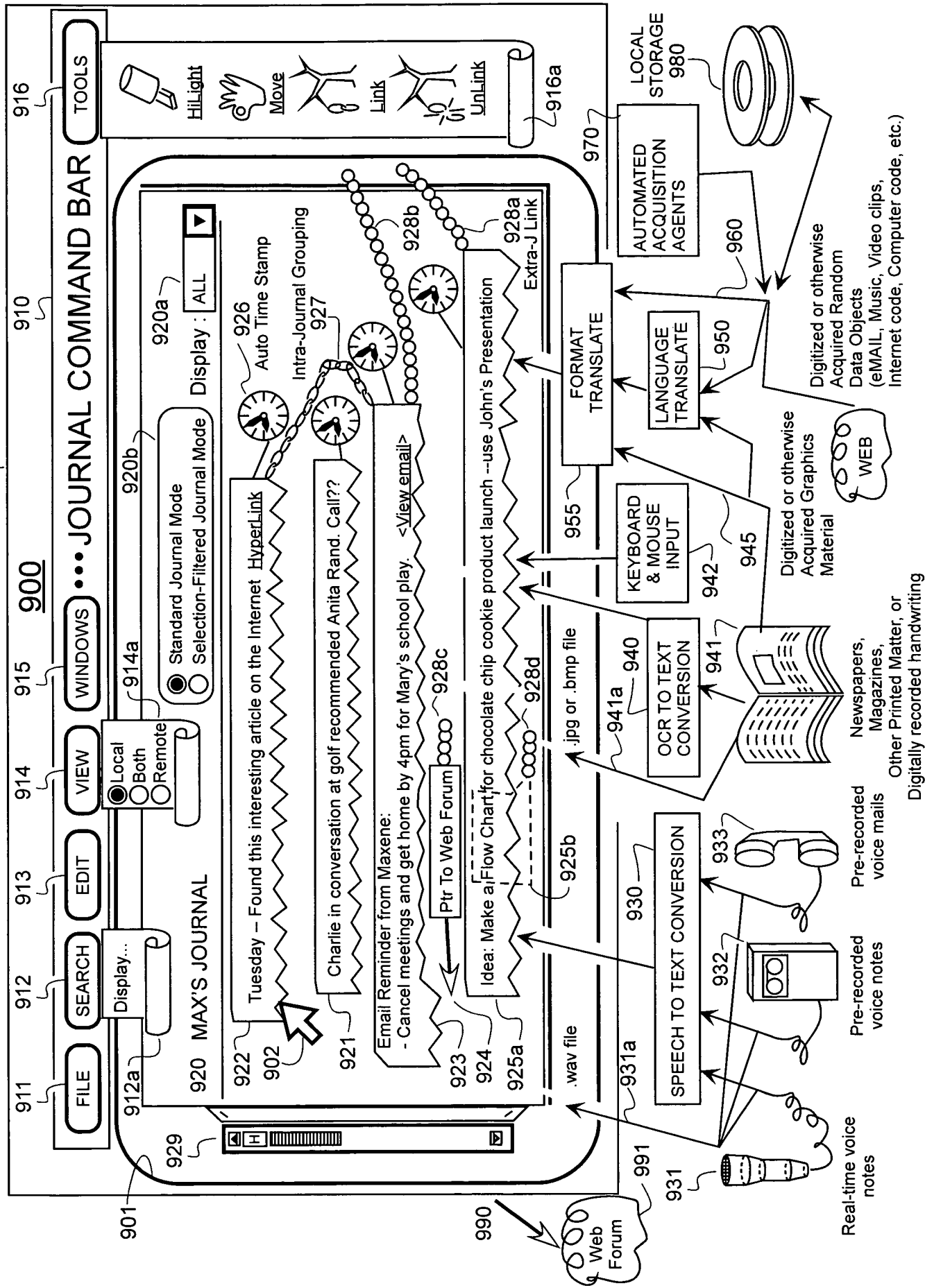
820



850



999 Screen border



## Fig. 9B

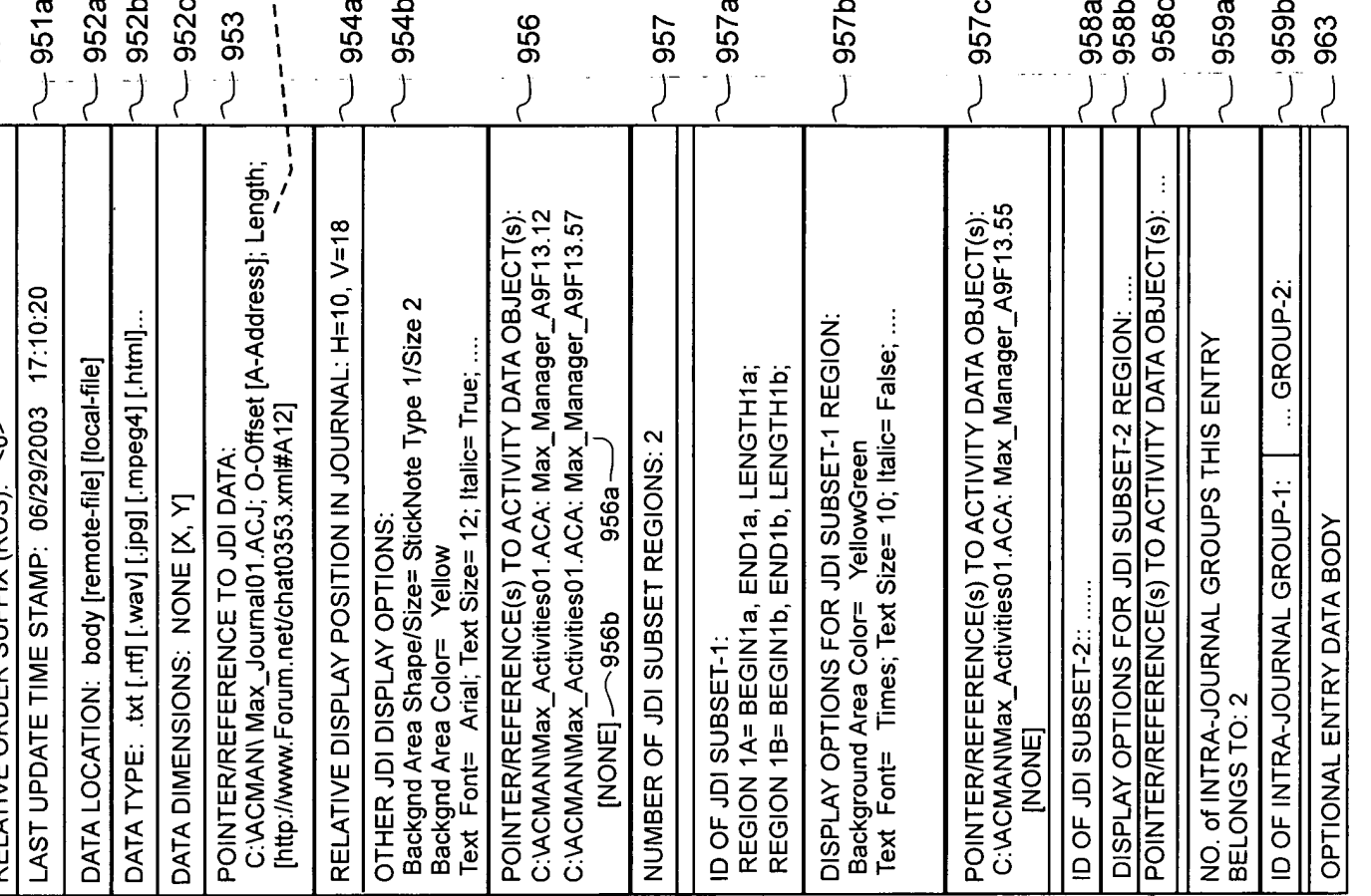
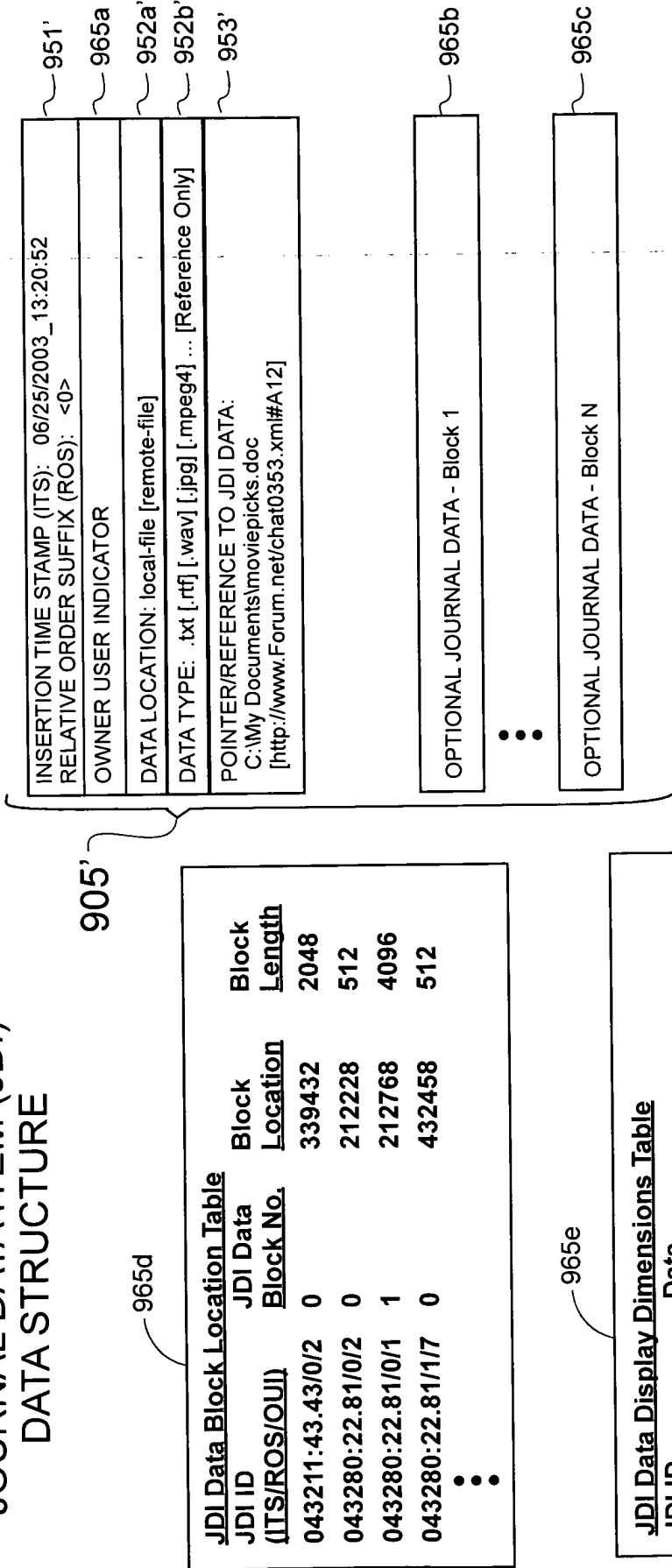


Fig. 9C

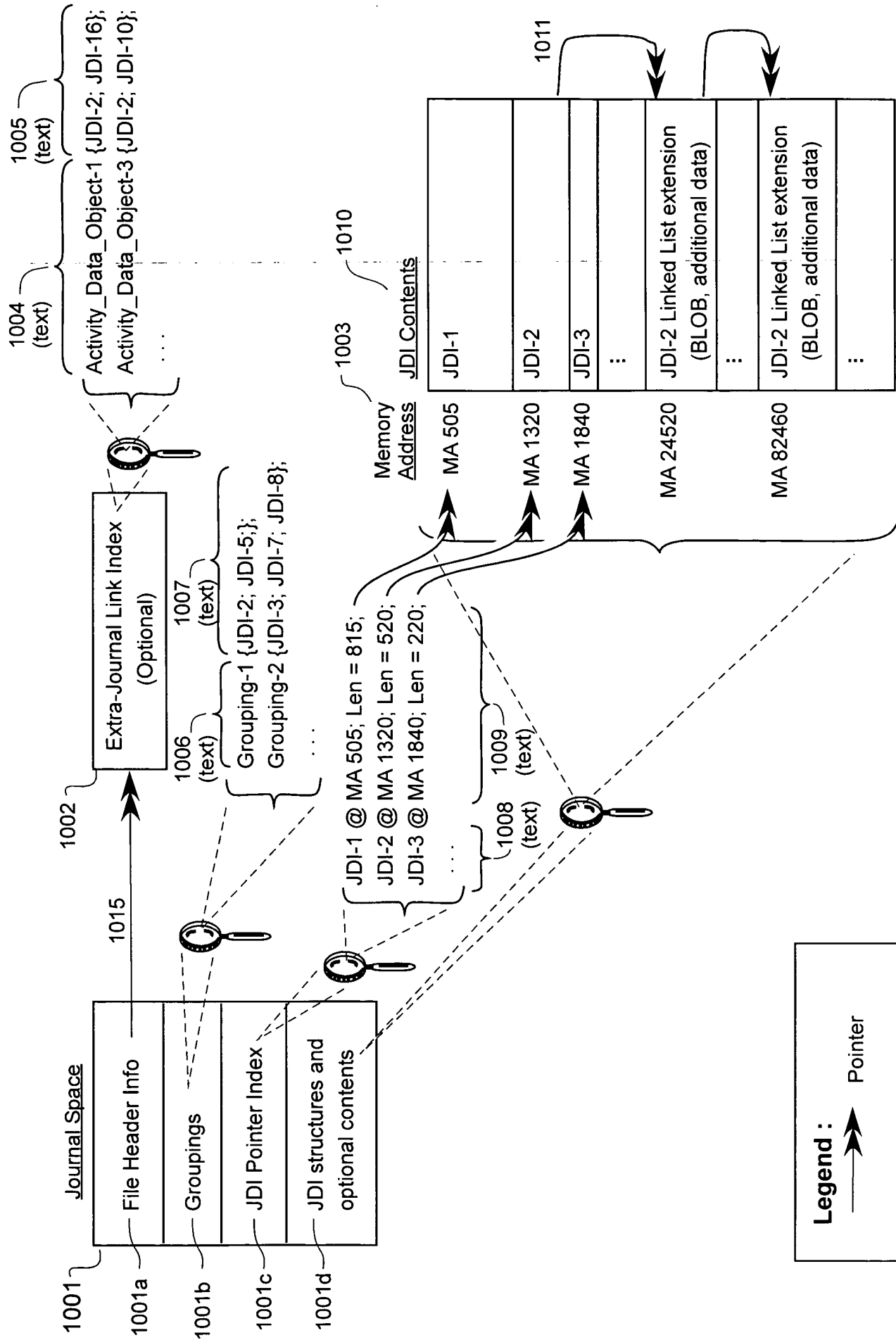
AN ALTERNATIVE  
JOURNAL DATA ITEM (JDI)  
DATA STRUCTURE



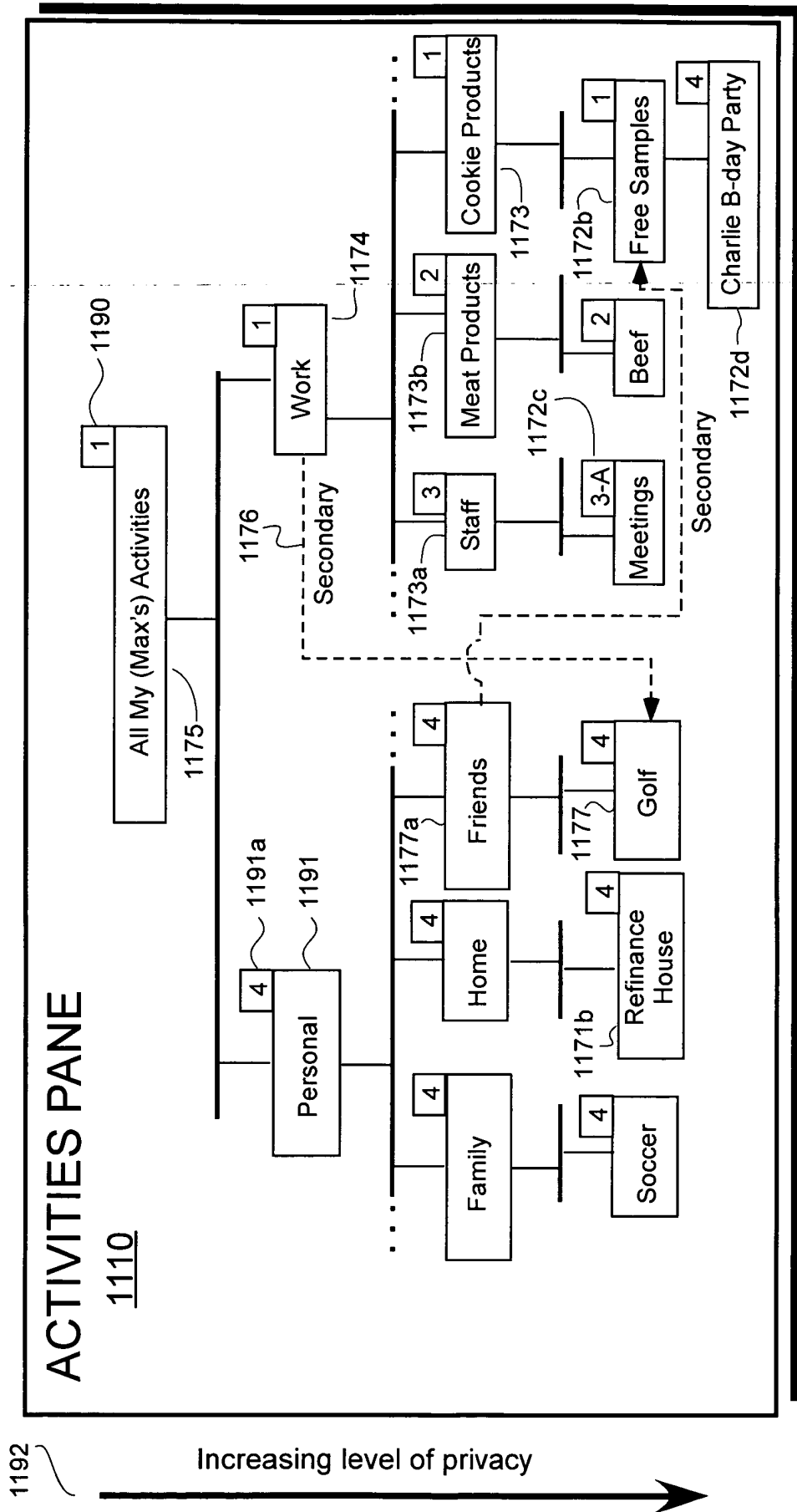
905'

# JOURNAL / JOURNAL DATA ITEM (JDI) PHYSICAL STRUCTURE

Fig. 10



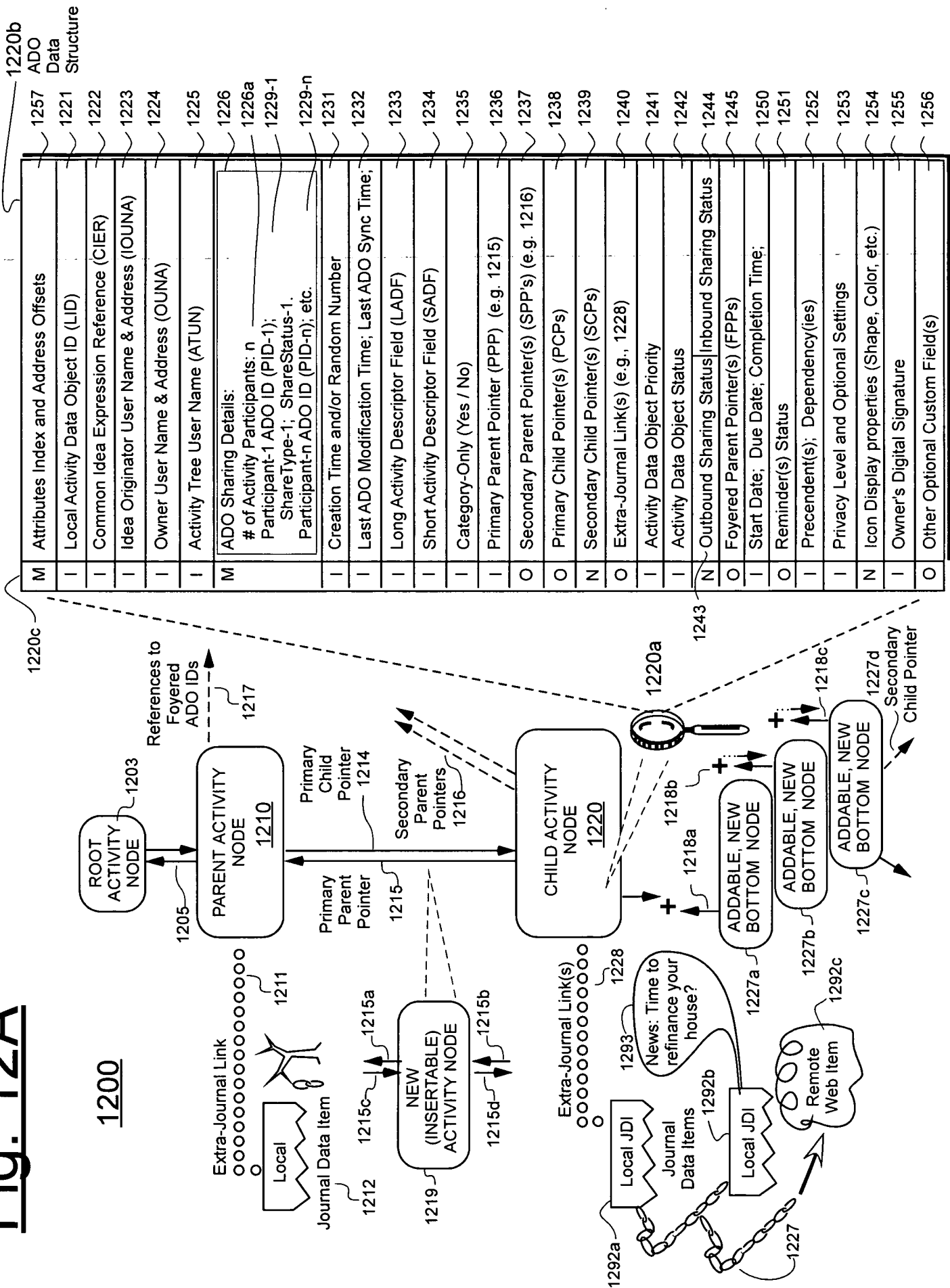
# Fig. 11





# Fig. 12A

## ACTIVITY DATA OBJECT (ADO) DATA STRUCTURE



# Fig. 12B

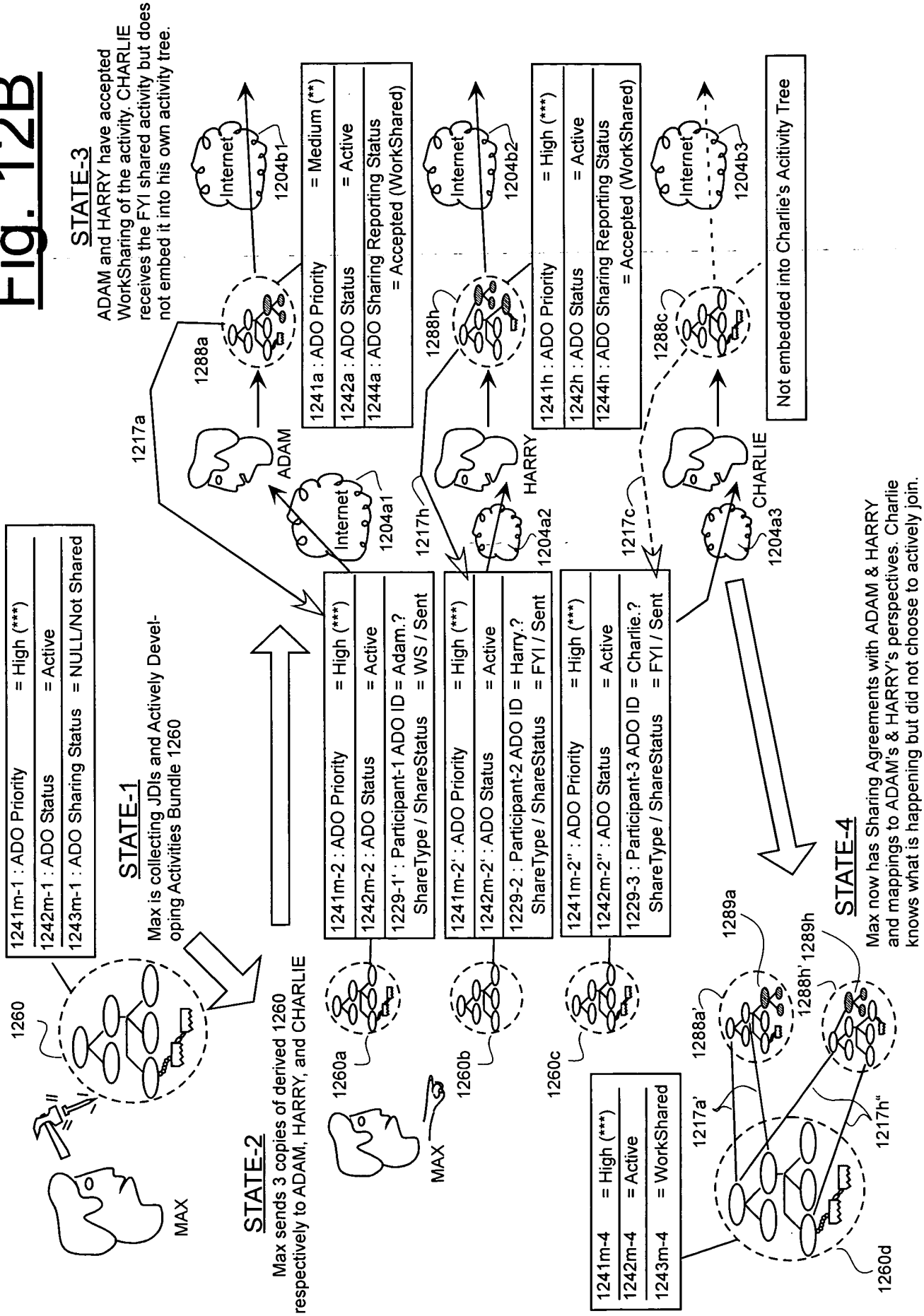


Fig. 12C

AN ALTERNATIVE  
ACTIVITY DATA OBJECT (ADO) DATA STRUCTURE

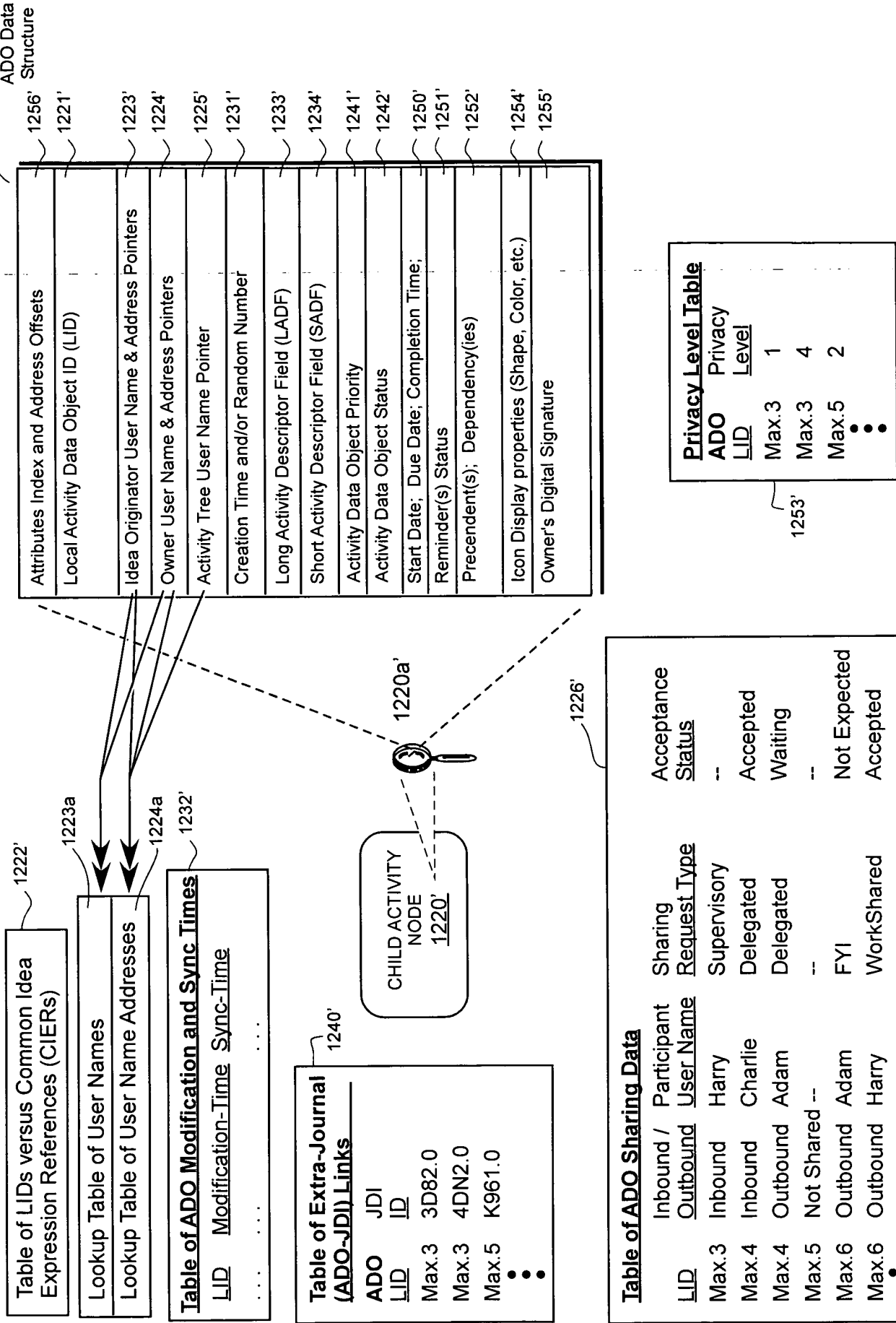
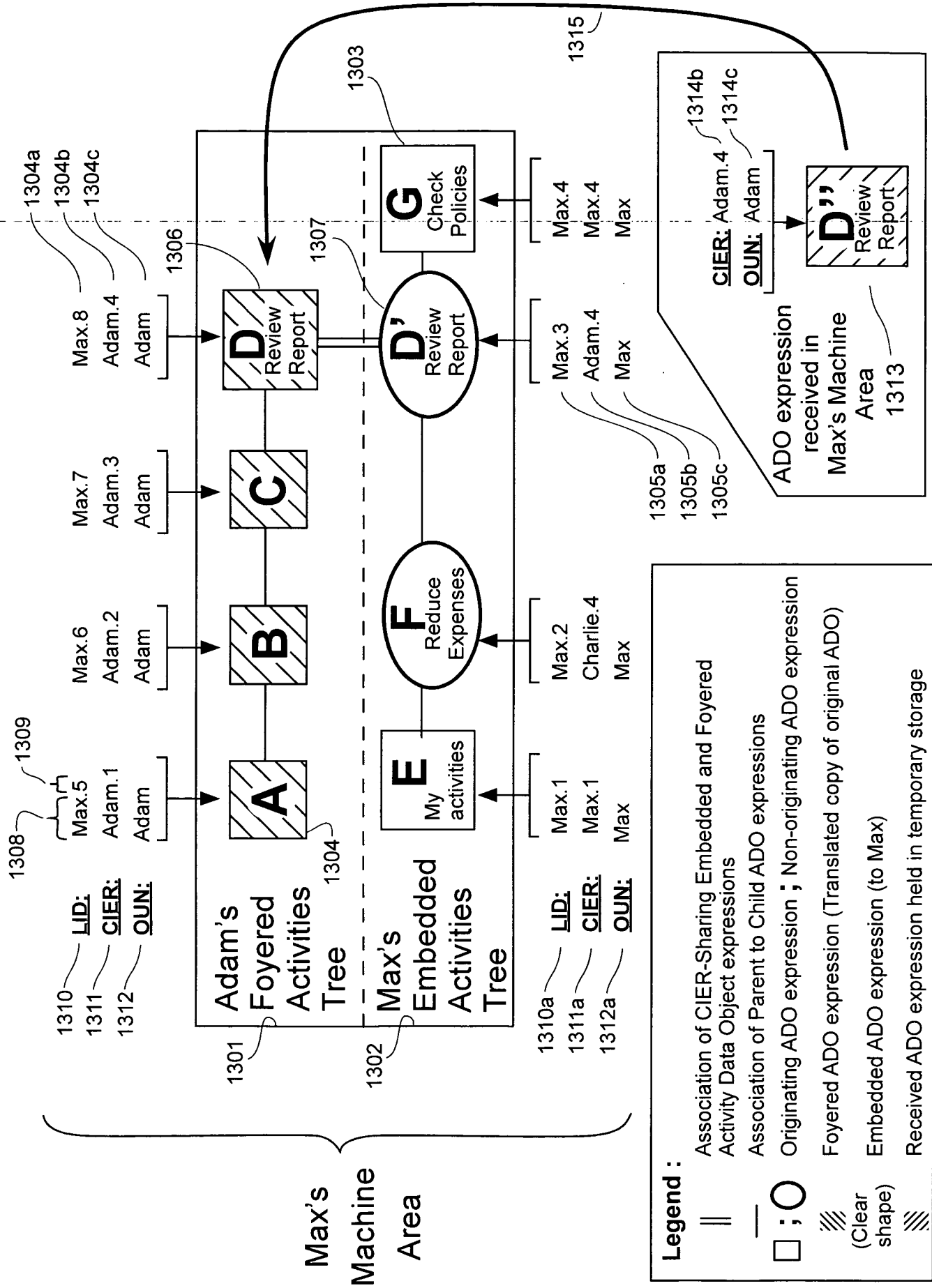
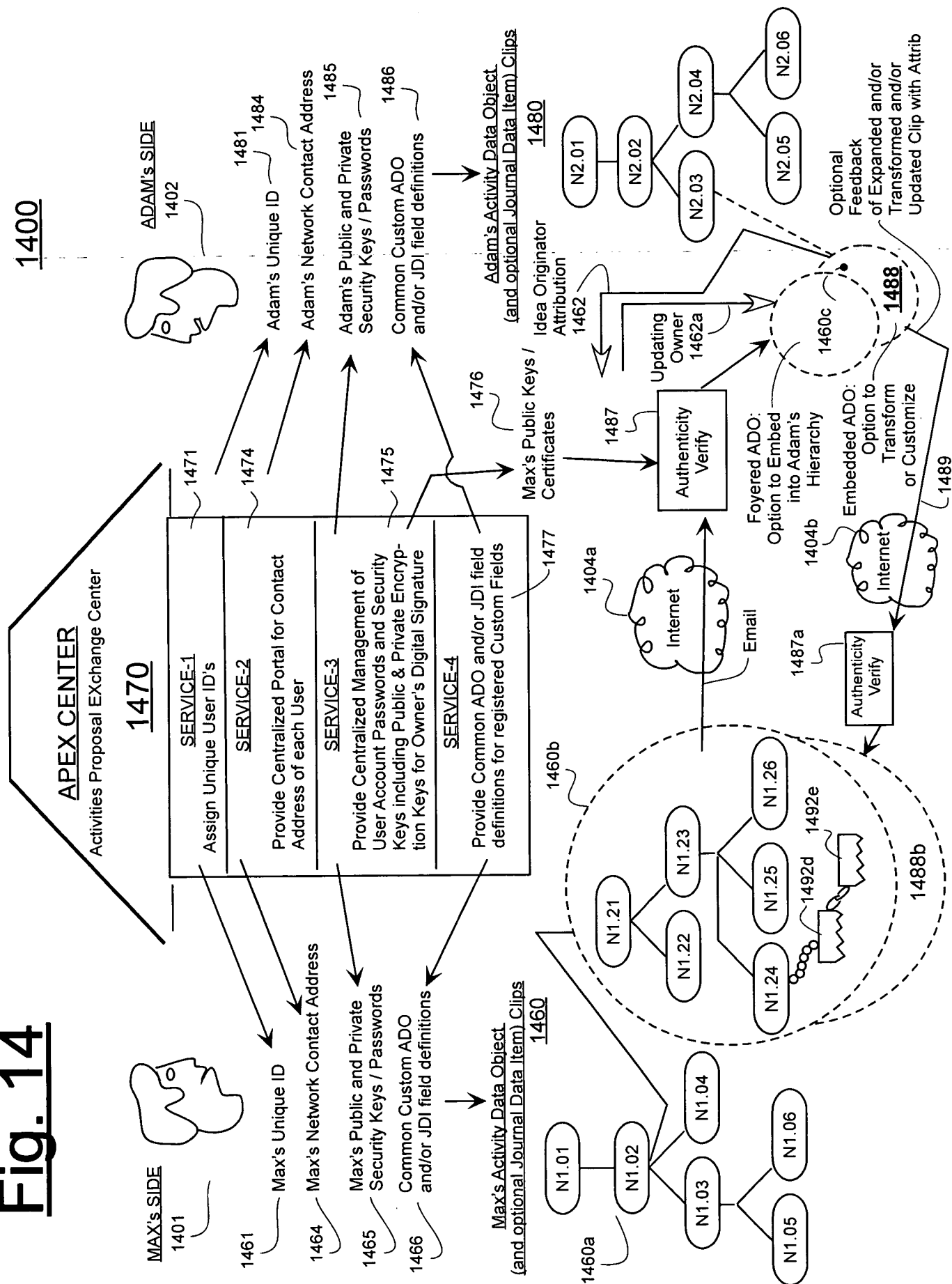


Illustration of Foyered versus Embedded Activity Data Objects

Fig. 13

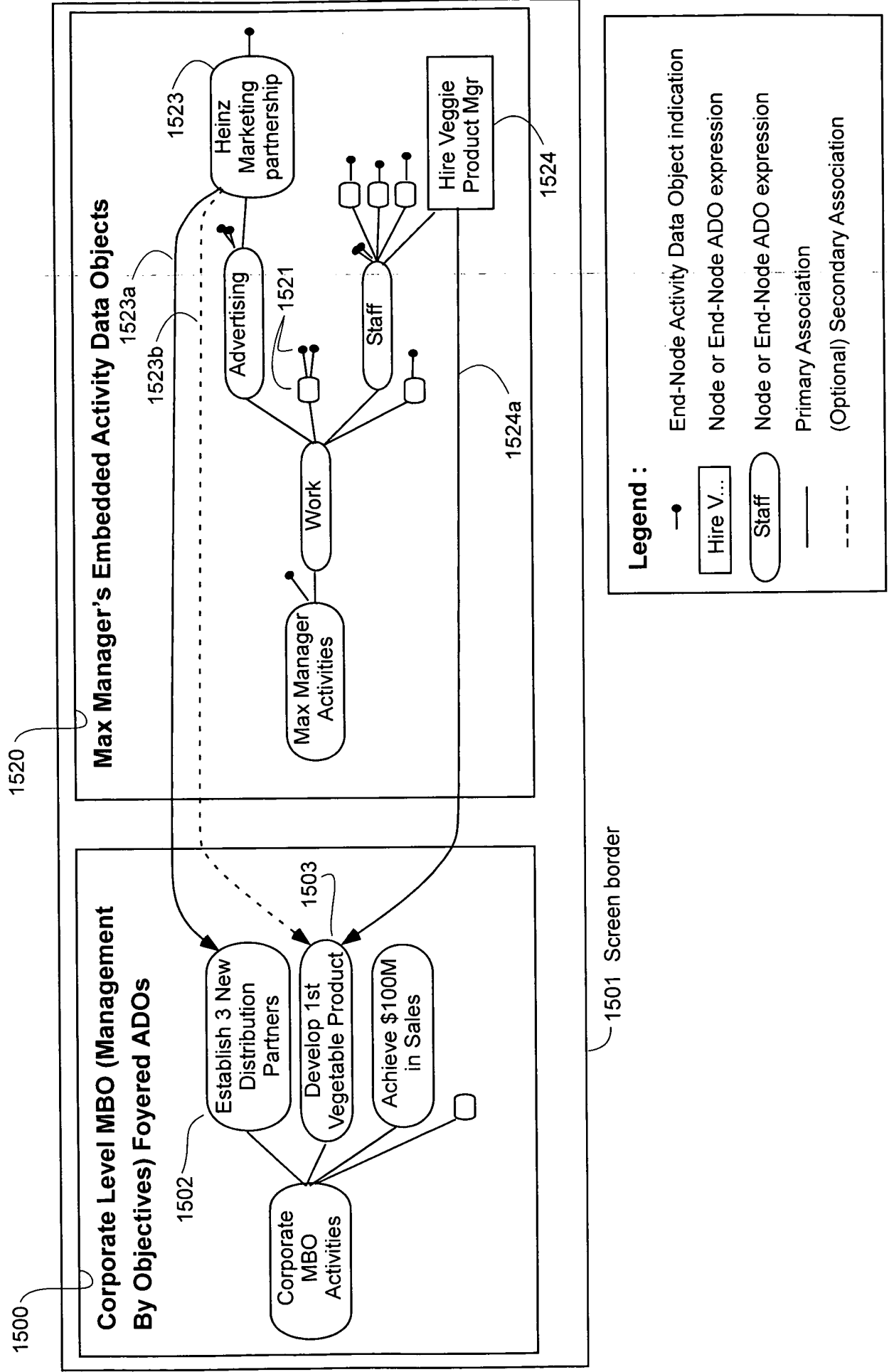


**Fig. 14**



# Fig. 15

## Associating Embedded Activity Data Objects with Foyered Activity Data Objects



# Fig. 16A

Sharing & Transmitting an ADO and Optional JDI(s)

1697 Screen border

1696

From: Max\_Manager@ifwc.com  
 To: Harry\_HR@ifwc.com  
 cc: Adam\_Assistant@ifwc.com  
 Subject: ACMAN - WS Request: Hire Veggie Product Manager

Activity Sharing Type:  
☐ Delegation Request  
☒ WorkSharing Request  
☒ For Your Information

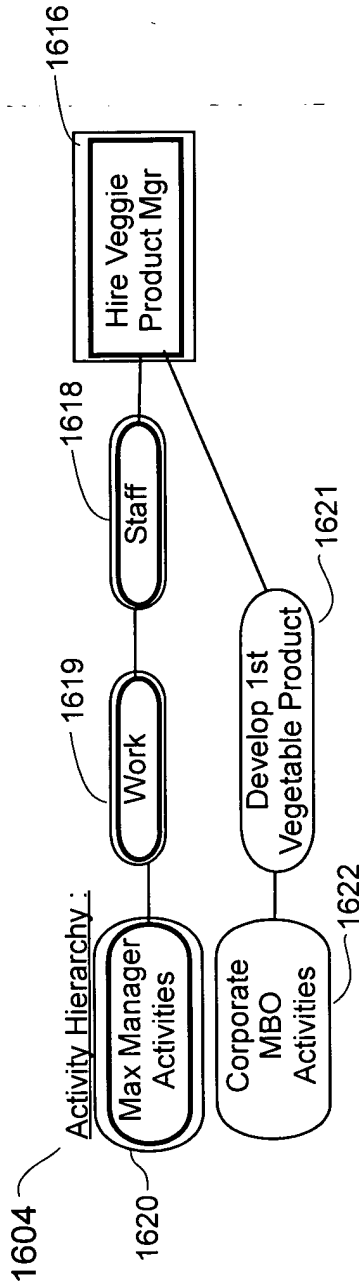
Priority	Status	Sharing	Due Date	Long Activity Description
***		WS	8/1/2003	Hire Product Manager for Vegetable product line

Special Message:

Harry, if you have any questions,  
 please give me or Adam a call. I am  
 in town until Weds.

Additional Activity Data Object Attributes

Common Idea Expression Reference (CIER) Max\_Manager.4612  
 Short Activity Descriptor Field Hire Veggie Product Mgr  
 Start Date 5/2/2003  
 Privacy Level Public (1)  
 Due Date 8/1/2003  
 Dependencies  
 ... other additional attributes ...

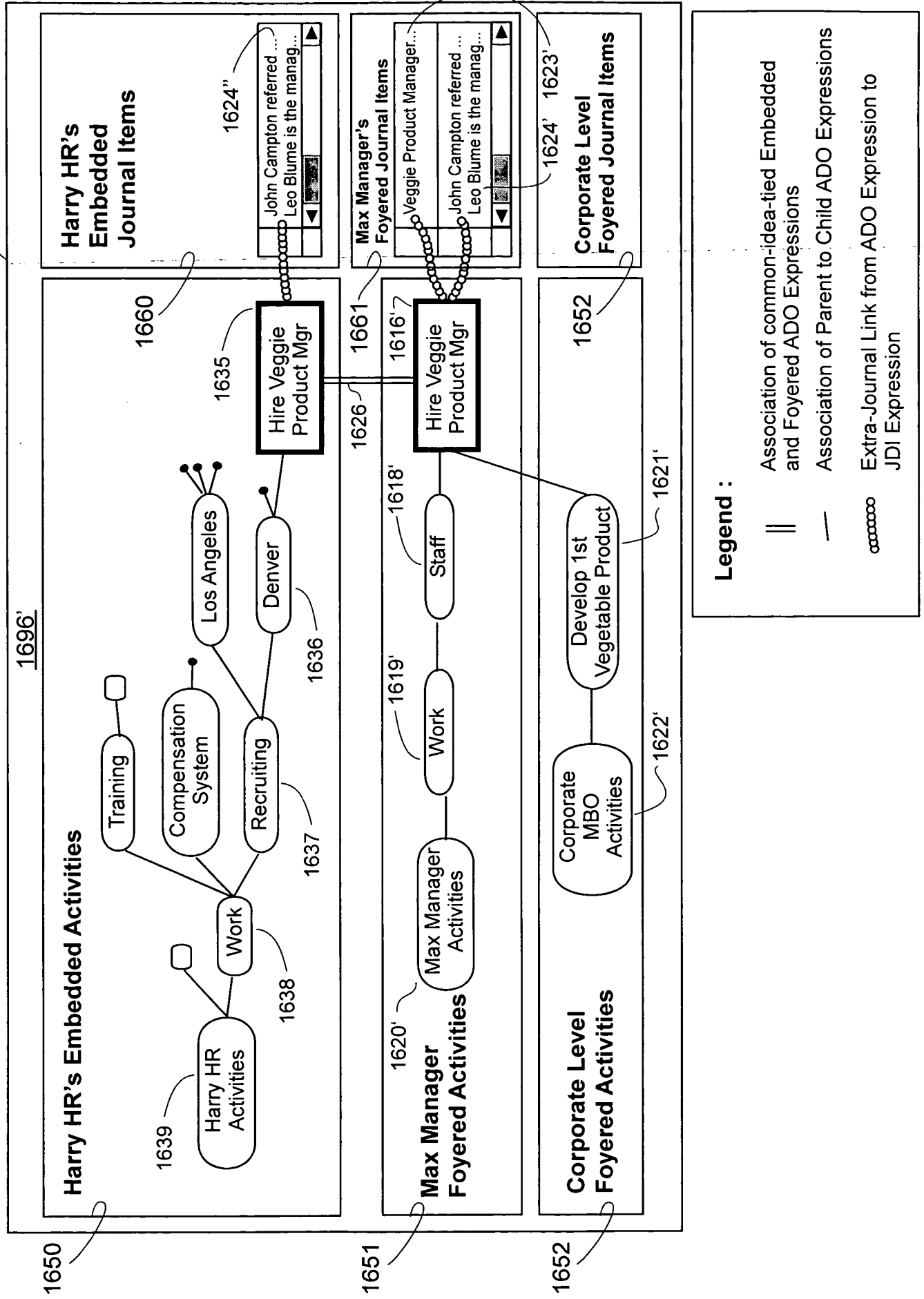


Journal details associated with "Hire Veggie Product Manager":

May 29, 2003	Veggie Product Manager position requires BS/MS in food science; 5 years experience; Desire specialized knowledge in tofu and colorings.
May 15, 2003	John Campton referred me to top exec search firm with contacts in food manufacturing space - Dale, Wright, & Co. Leo Blume is the managing partner in food industry. jblume@dalewright.com

Max\_Manager.4612.050203887.ACM

**Fig. 16B**

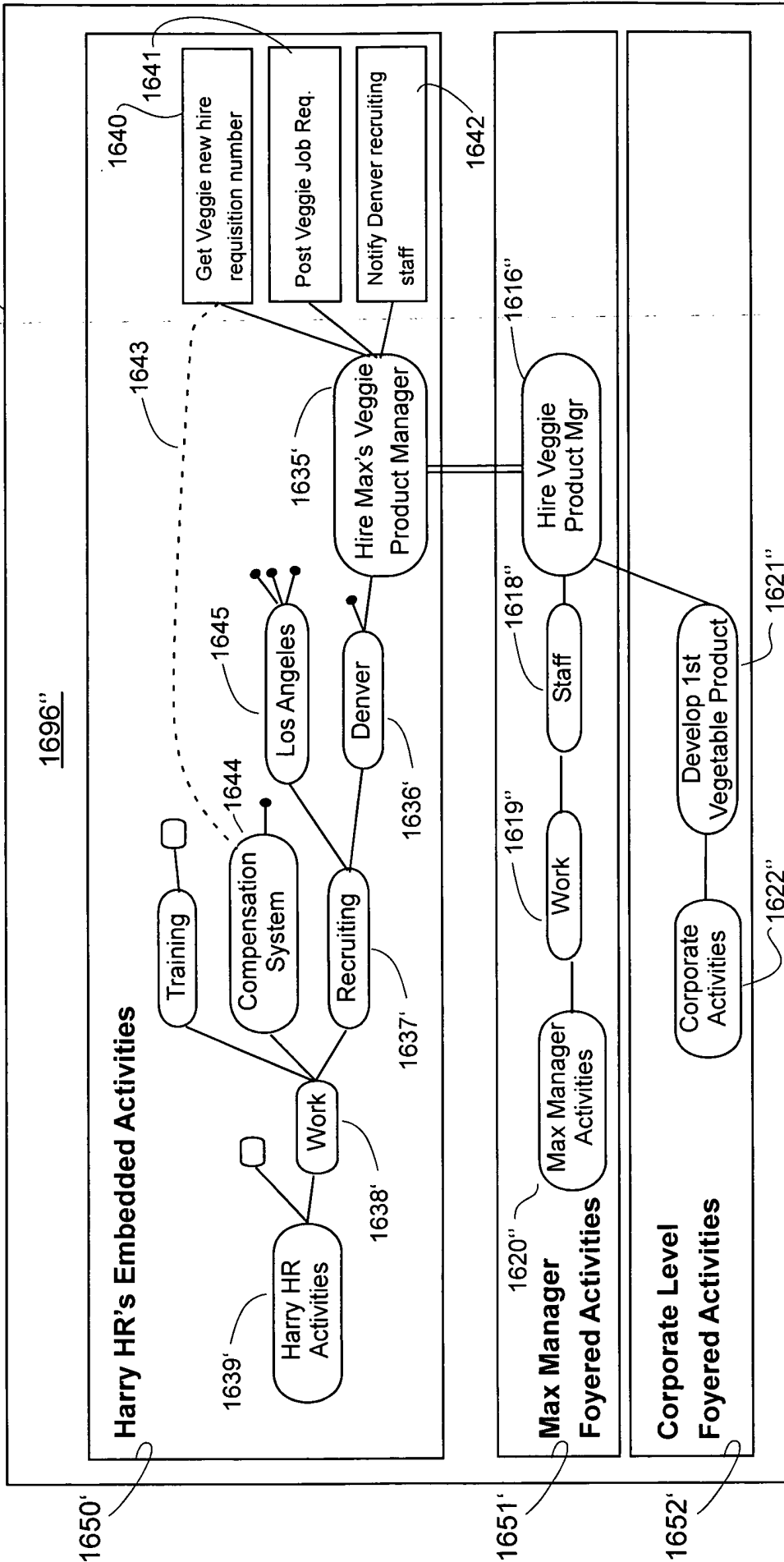




# Fig. 16C

Further Activity Break Down and Planning by Harry HR

1699 Screen border

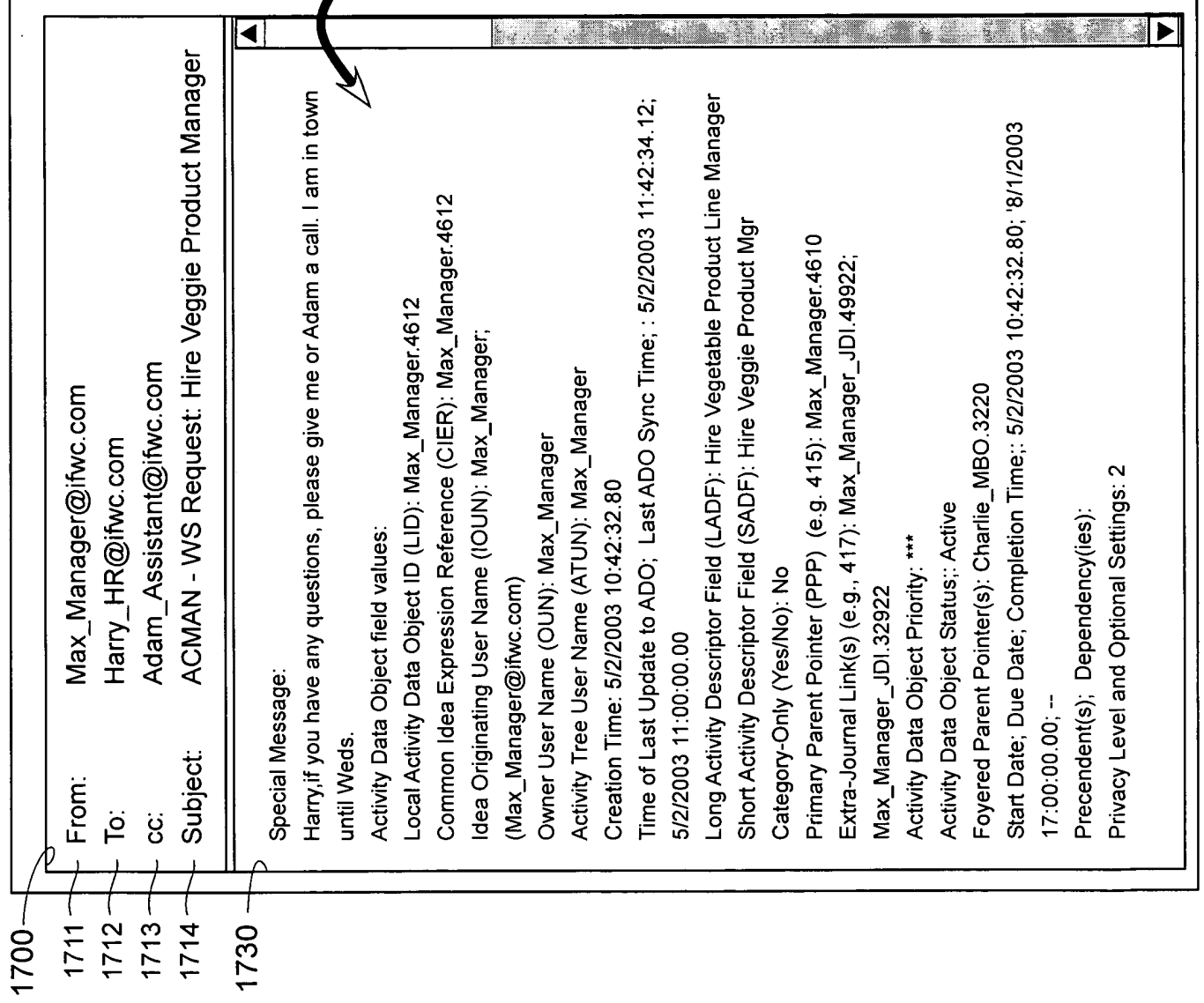


## Legend :

- || Association of common-idea-tied Embedded and Foyered ADO Expressions
- Association of Parent to Child ADO Expressions
- Association of Secondary Parent to Child ADO Expressions

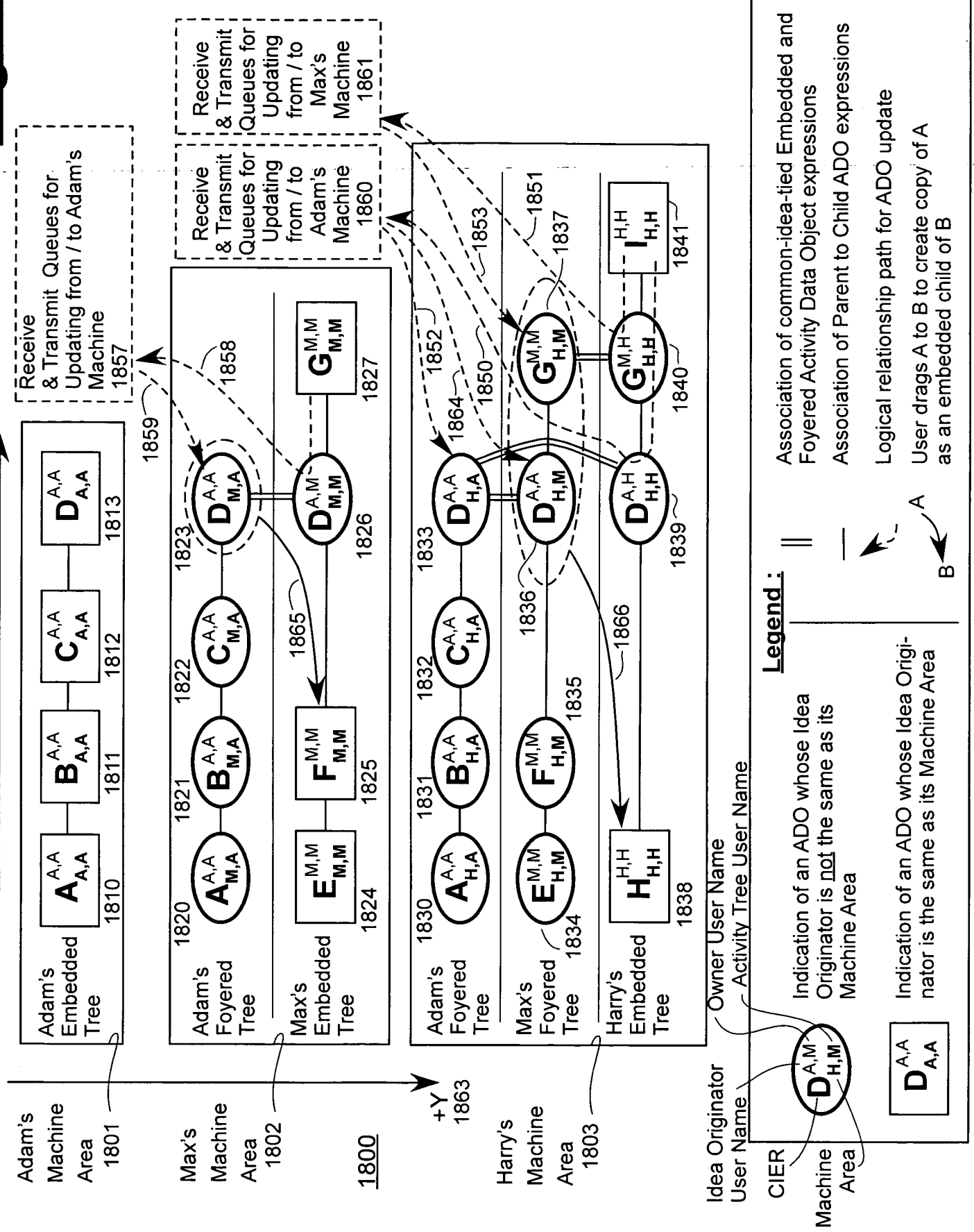
Sending / Receiving a Translated Copy of an ADO with optional Message Text, JDI(s), etc. as Message Body Text

Fig. 17



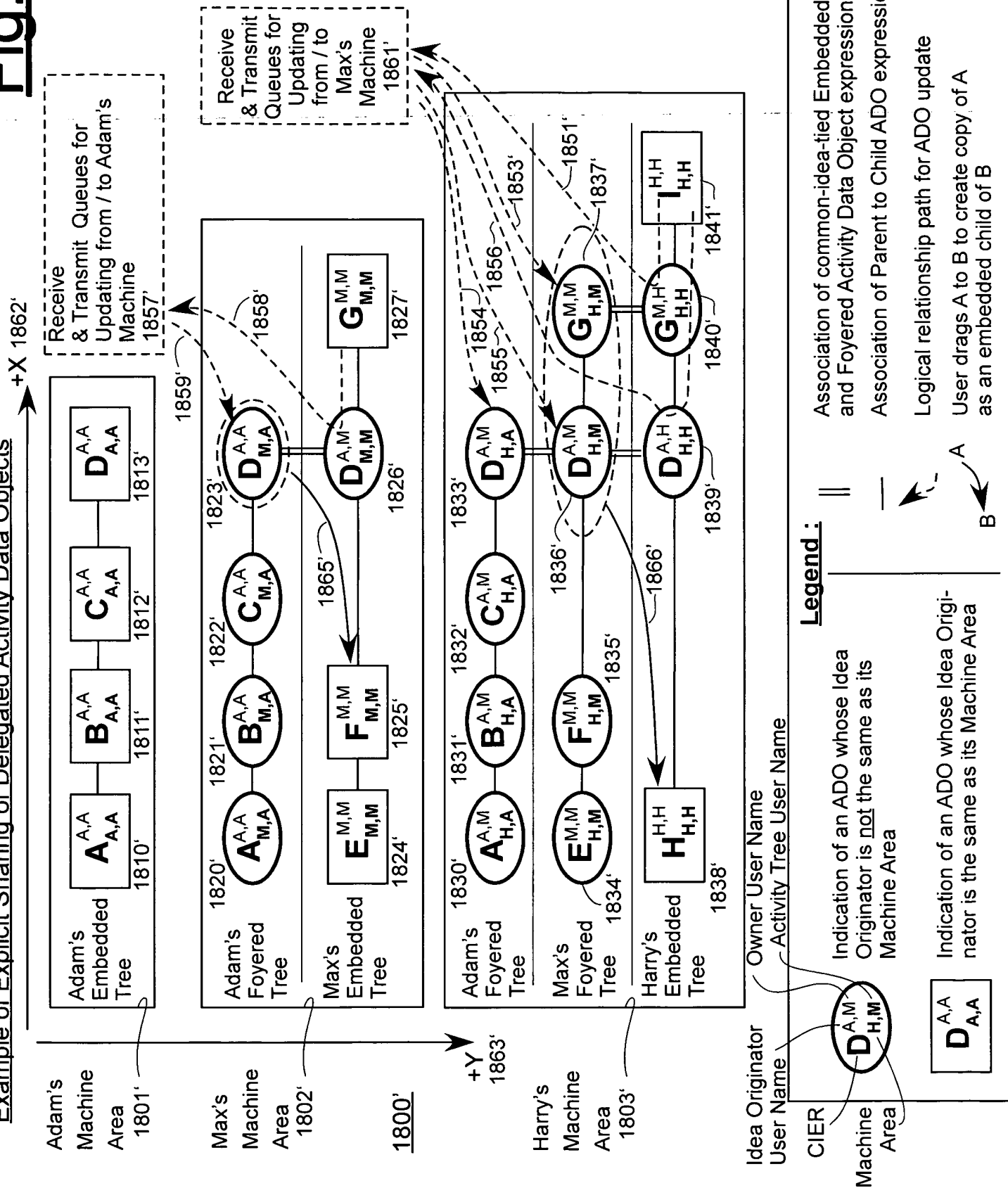
Example of Explicit Sharing of WorkShared and/or FYI Shared Activity Data Objects

# Fig. 18A



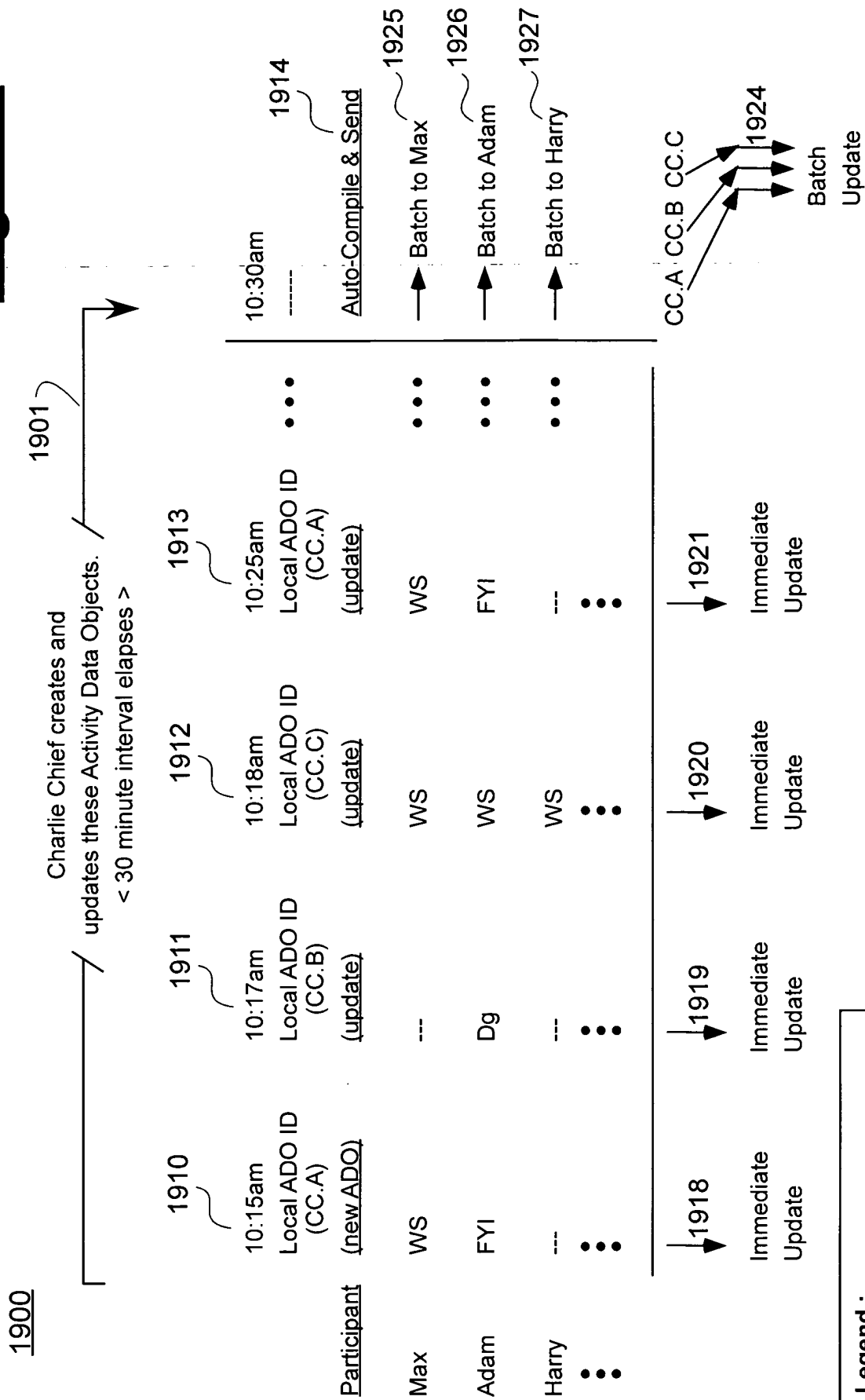
# Fig. 18B

## Example of Explicit Sharing of Delegated Activity Data Objects

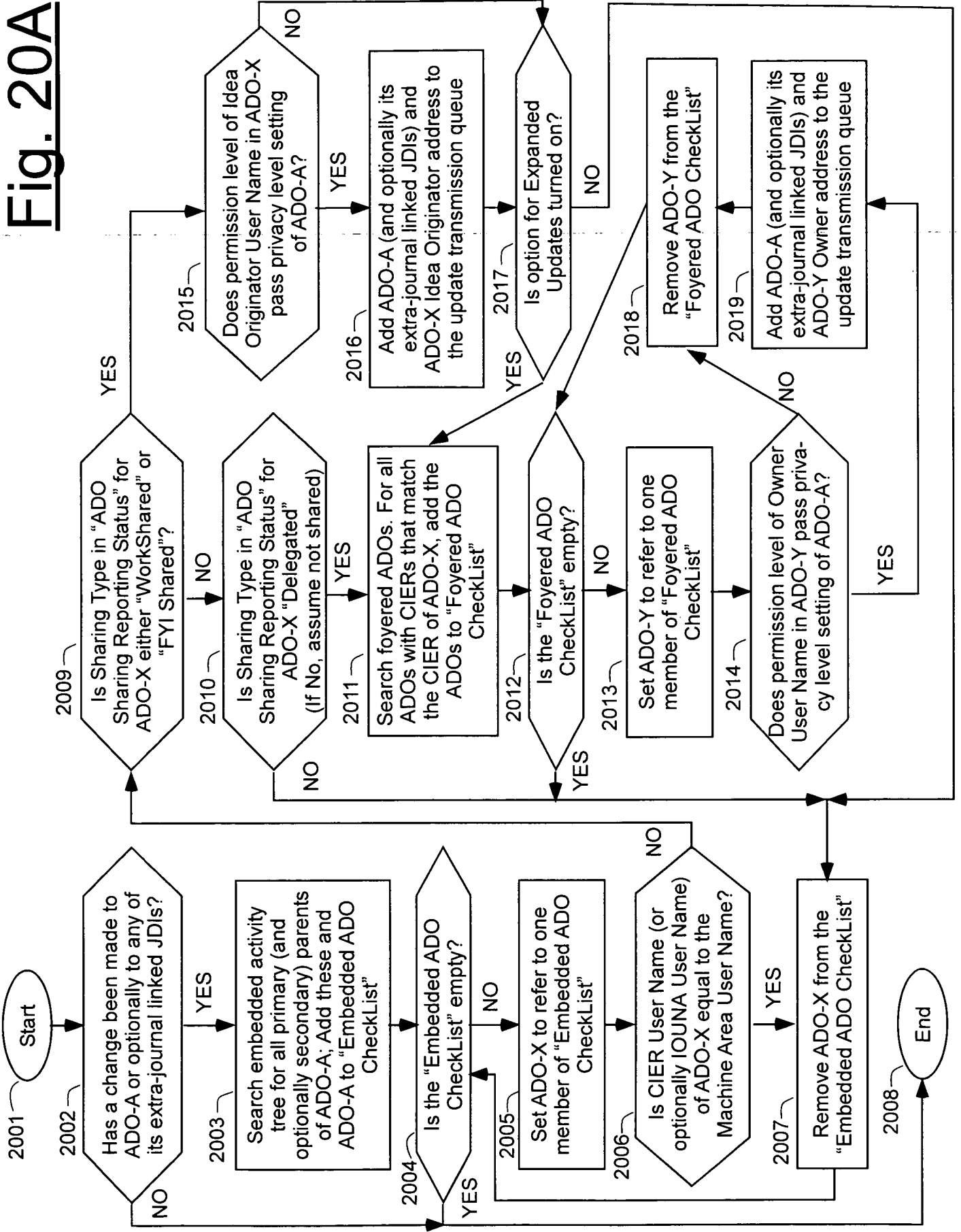


# Batch Examples for Transmission of Shared Activities

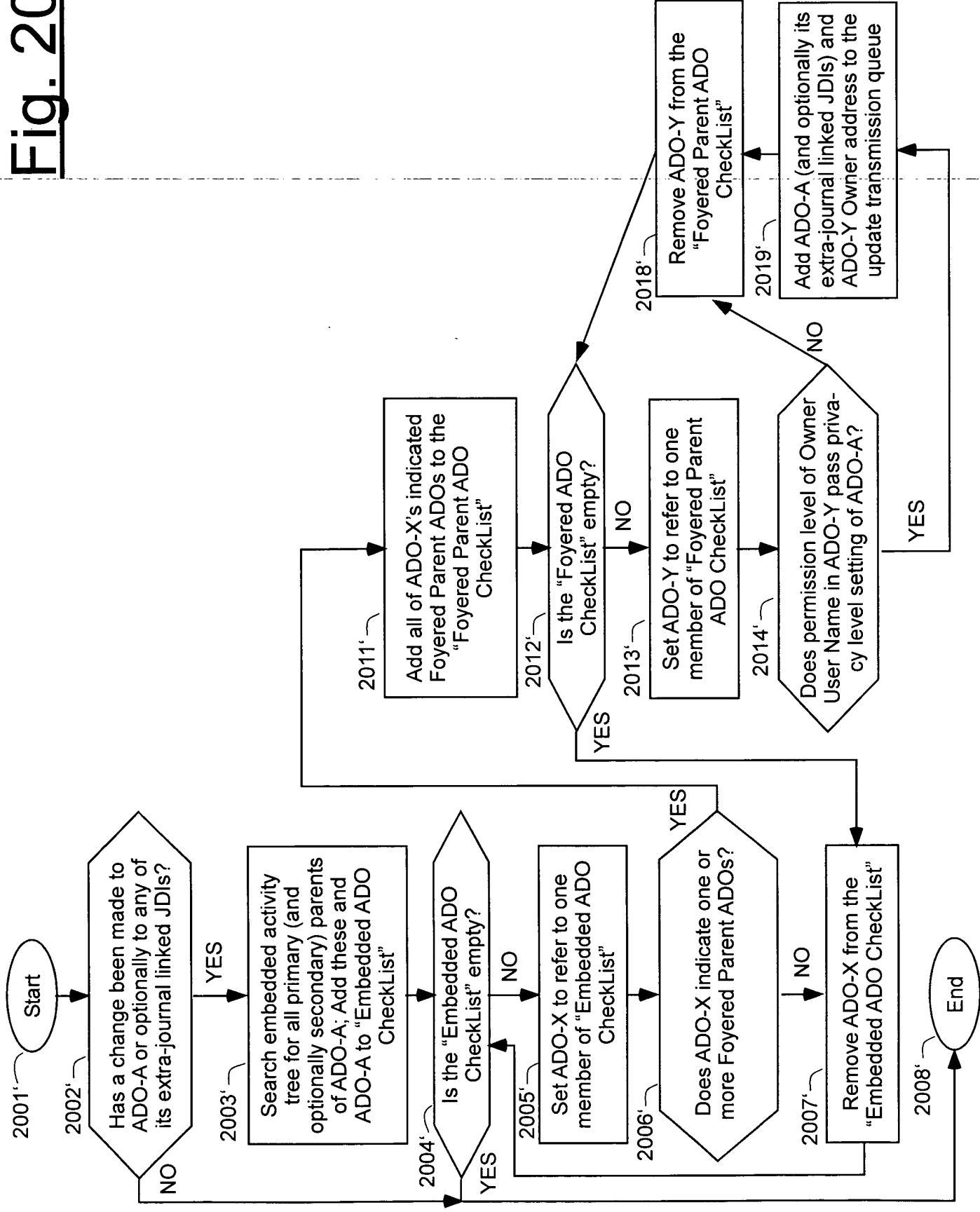
Fig. 19



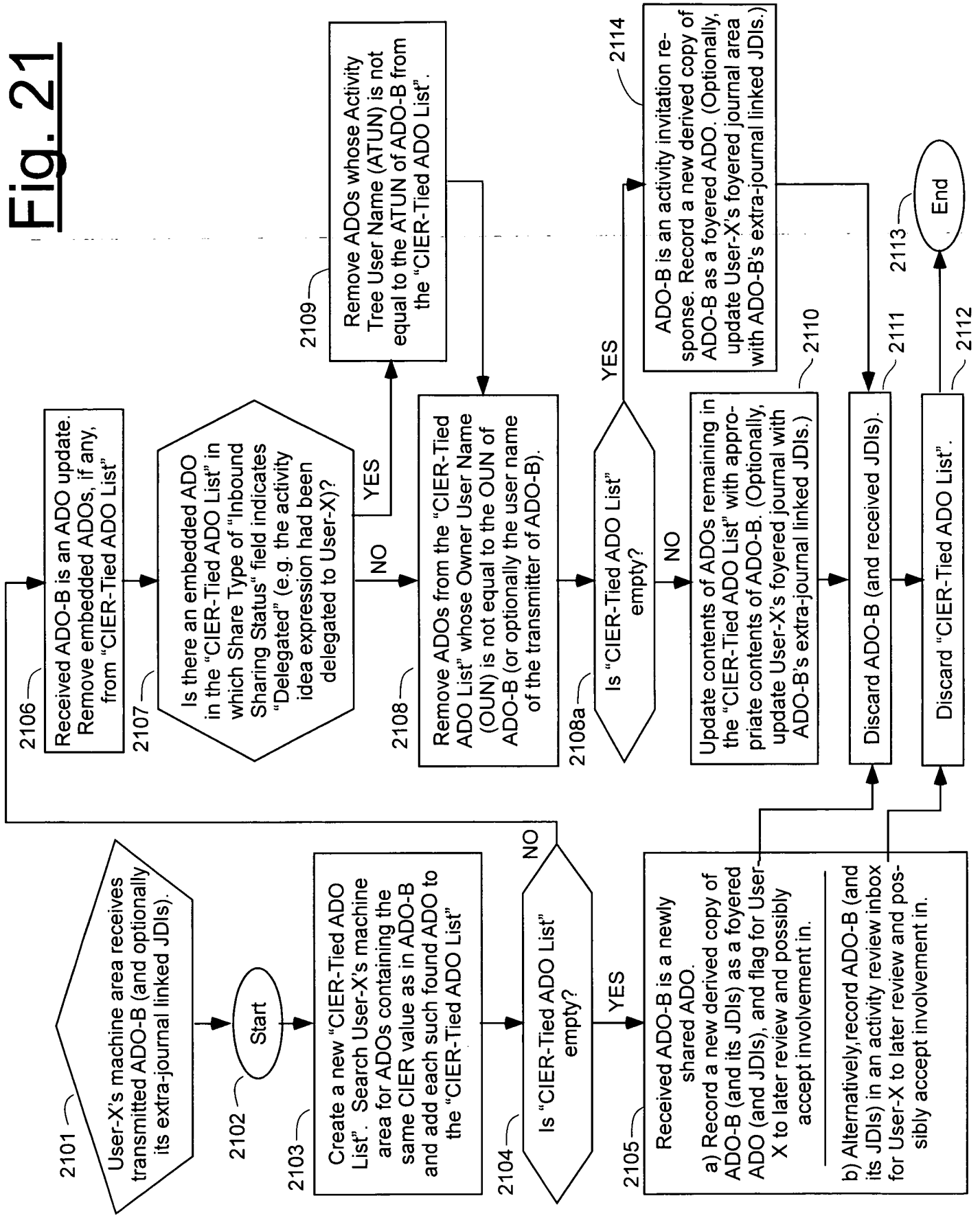
# Fig. 20A



**Fig. 20B**



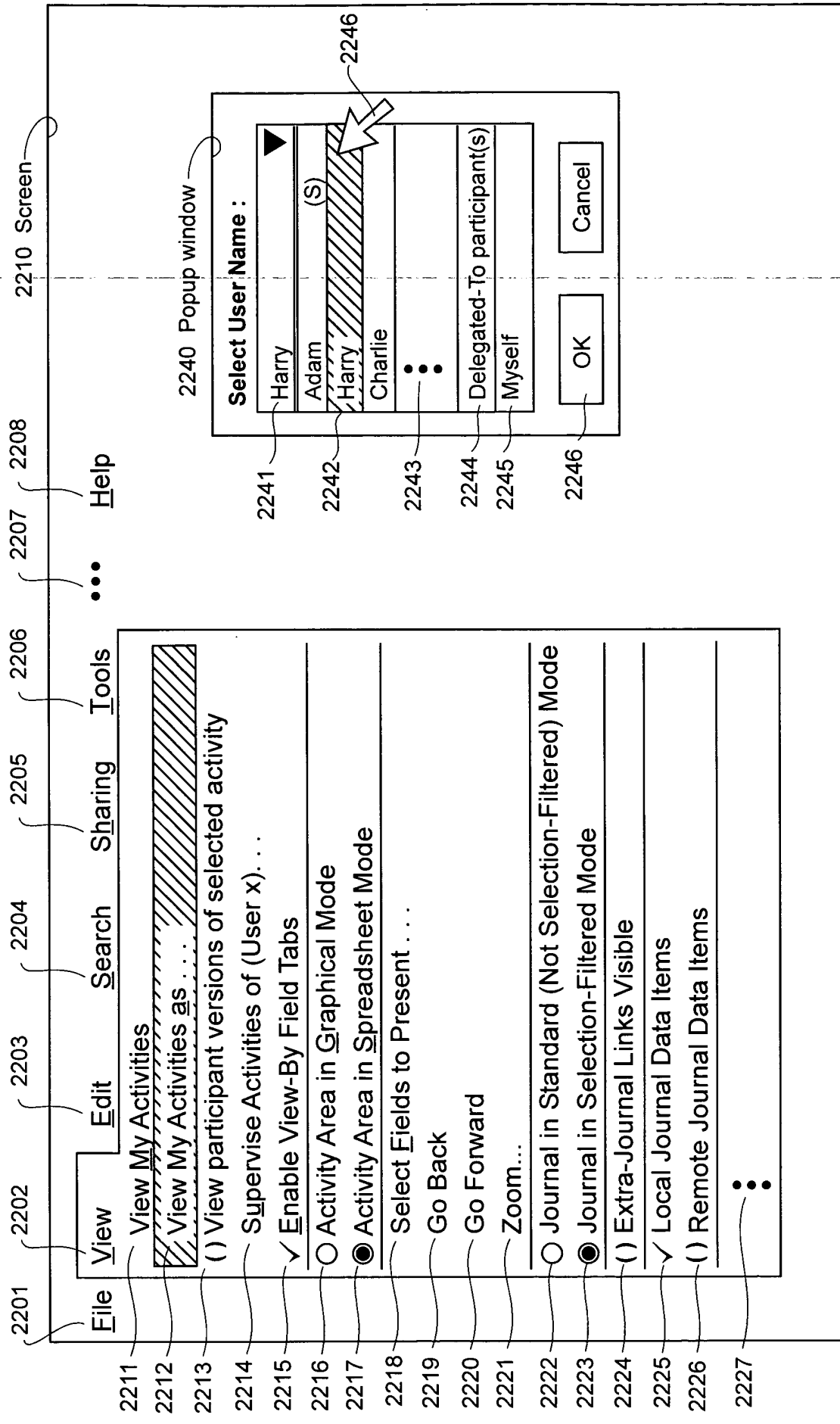
# Fig. 21



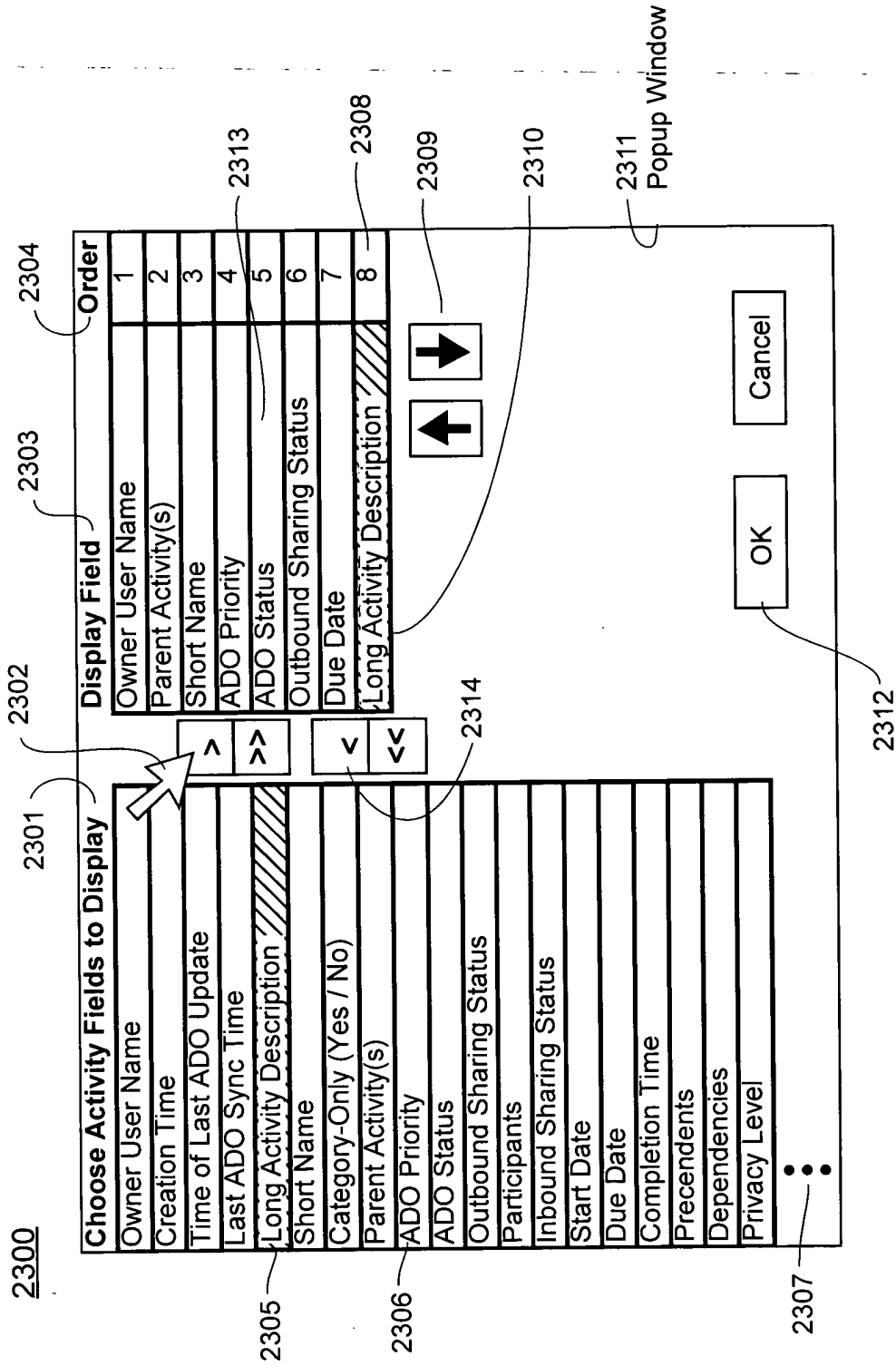


# Fig. 22

2200



# Fig. 23



**Fig. 24A**

**File View Edit Search Sharing Tools ... Help**

2400  
Activity Data Object  
Meta-Search, Filter and Sort
Meta-Search A:  
"Today's Priorities"
Meta-Search B:  
"Top Pending Items"
Meta-Search C:  
"Beef or Cookies"
CLEAR

▼ Max	▼ Max	▼ Max	▼ Max	▼ Max	▼ Max	▼ Max	▼ Max
Owner User Name	Parent Activity(s)	Short Name	Priority	Status	Sharing	Due Date	Long Activity Description
Max	... \ Work \ Cookie Products	Handling Spec	*		WS	6/15/2003	Write up cookie handling specification with quality group
Max	... \ Work \ Cookie Products	2Q Forecast	***		Dg	6/25/2003	Forecast material production requirements for 2nd quarter
Max	My Activities \ Work \ Staff	Veggie Prod. Mgr	***		WS		Hire Product Manager for Vegetable product line
Max	... \ Work \ Customers	East Coast PPT	*			7/15/2003	Write sales presentations for east coast trip
Max	... \ Work \ Customers	Review Sales	***				Review sales shortfalls for quarter
Max	... \ Work \ Administrative	Repair Copier	**		Dg		Repair copier machine under warranty

▲ ACTIVITIES ▲

2420  

☐ Standard Journal Mode
 ☒ Selection-Filtered Journal Mode

JOURNAL
▼ ▼ ▼ Max

Jun 12, 2003	Mention Madison H322 Coupler and temperature control related to T-56 +/-10 degrees. Brad Butcher also has info in <a href="#">columbus forum</a> .
Jun 10, 2003	Rabbit copier model 5C was purchased 9/10/02. Emma has purchase contract.
Jun 5, 2003	Materials include 10S flour (Maxwell); FD&C Yellow (ColorTone or Whitey vendors); 10 week lead times on Amazon-B nuts.
May 27, 2003	Quality group not addressing issues directly with Adam - lack of trust. Harry should monitor and help. Recall group dynamics and culture training tools.

Fig. 24B

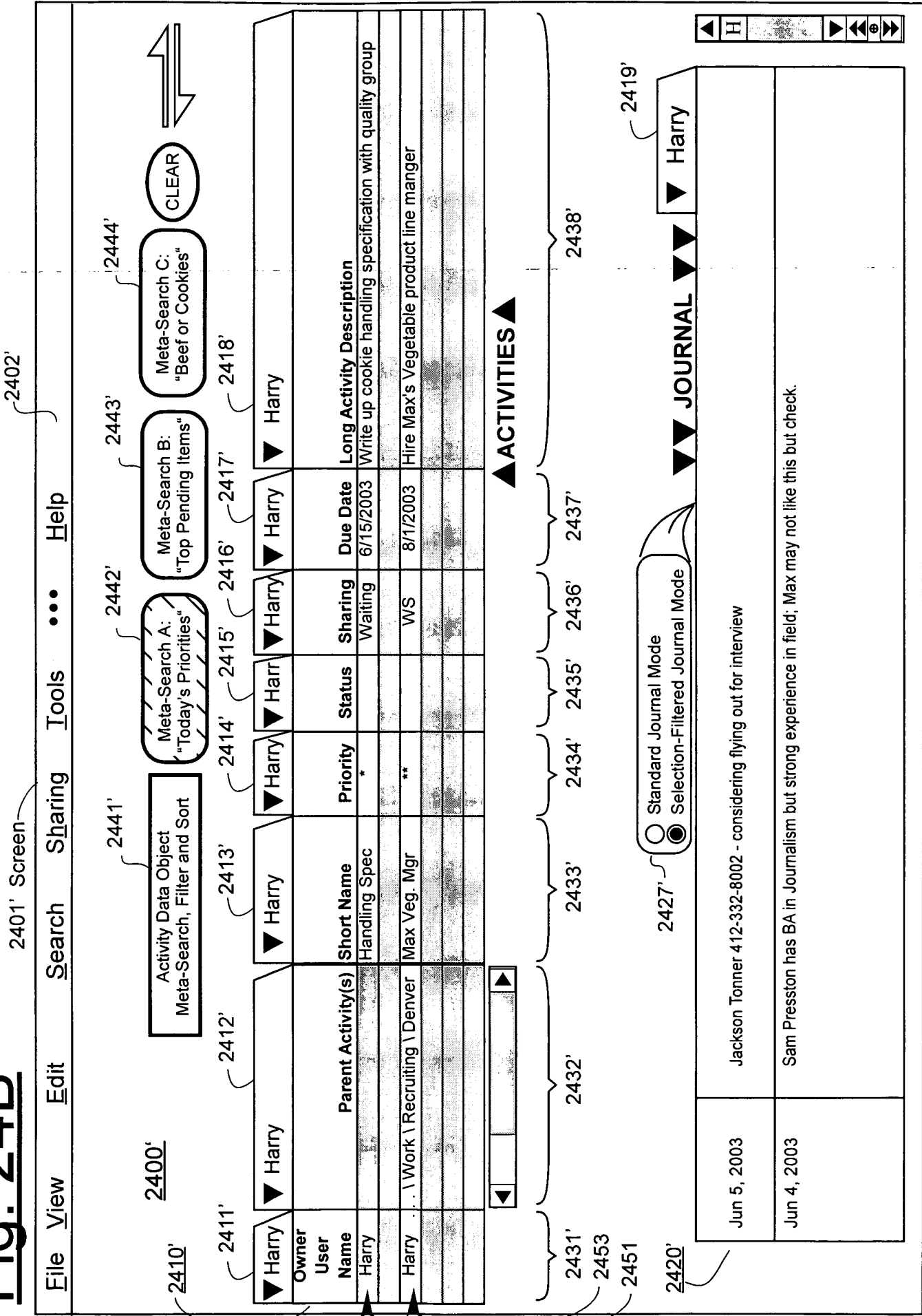


Fig. 24C

File

View

Edit

Search

Sharing

Tools

Help

2400"

Activity Data Object  
Meta-Search, Filter and Sort

2441"

Meta-Search A:  
"Today's Priorities"

2442"

Meta-Search B:  
"Top Pending Items"

2443"

Meta-Search C:  
"Beef or Cookies"

2444"

CLEAR

2410"

2411"

2412"

2413"

2414"

2415"

2416"

2417"

2418"

2419"

Owner	Parent Activity(s)	Short Name	Priority	Priority	Sharing	Due Date	Long Activity Description
Harry		Handling Spec	*		Waiting	6/15/2003	Write up cookie handling specification with quality group
Harry	Work \ Recruiting \ Denver	Veggie Prod. Mgr	**	***	WS	8/1/2003	Hire Max's Vegetable product line manger

2431"

2432"

2433"

2434"

2435"

2436"

2437"

2438"

ACTIVITIES

2427"

Standard Journal Mode

Selection-Filtered Journal Mode

2419"

JOURNAL

Harry

2420"

Jun 5, 2003

Jackson Tonner 412-332-8002 - considering flying out for interview

2453'

Jun 4, 2003

Sam Presston has BA in Journalism but strong experience in field; Max may not like this but check.

Fig. 25A

2500

2501 Screen

2541

2542

2543

2544

2510

2511

2502

2512

2513

2514

2515

2516

2518

Activity Data Object  
Meta-Search, Filter and Sort

Meta-Search A:  
"Today's Priorities"

Meta-Search B:  
"Top Pending Items"

Meta-Search C:  
"Beef or Cookies"

CLEAR

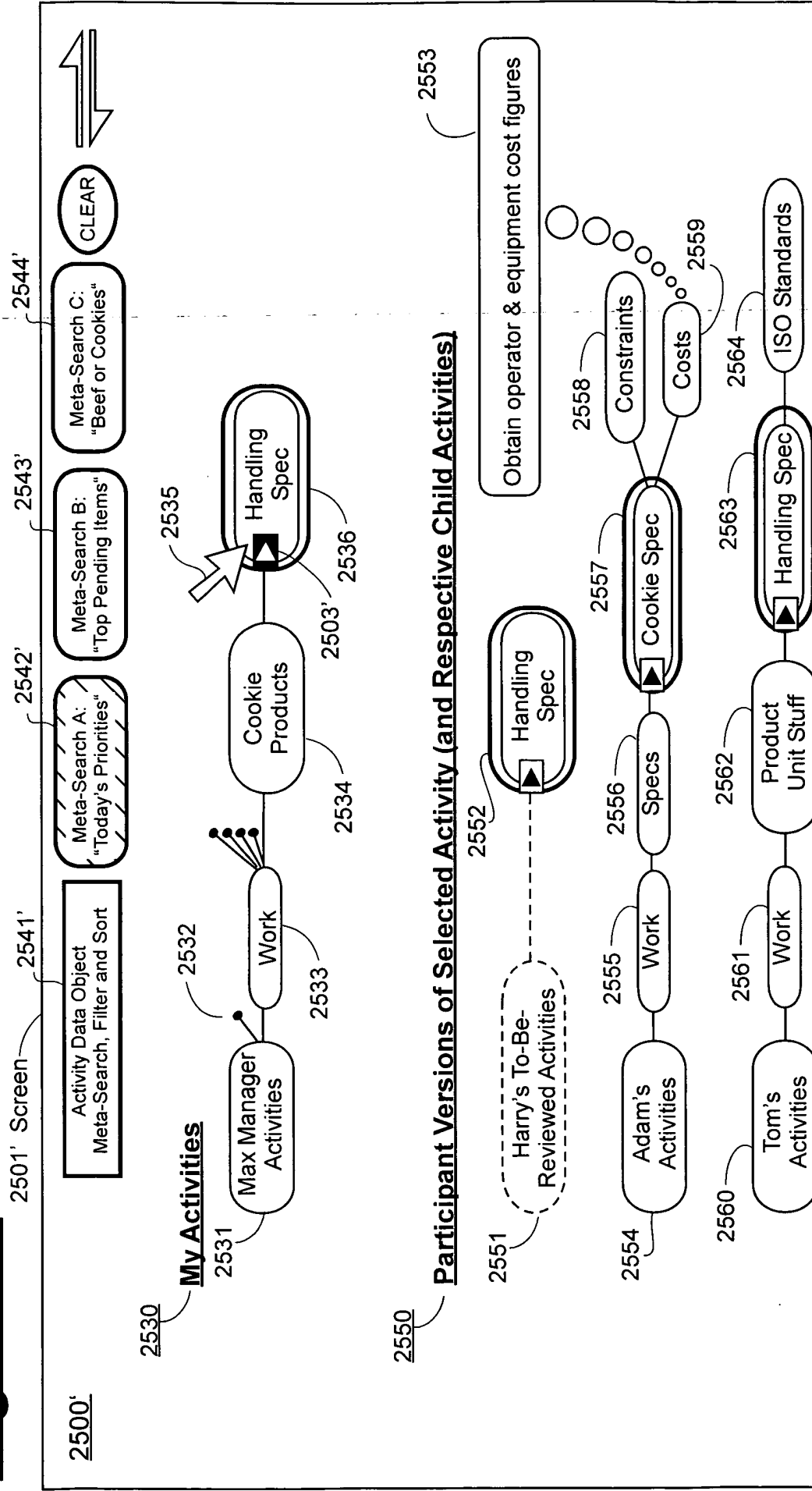
Owner User Name	Parent Activity(s)	Short Name	Priority	Status	Sharing	Long Activity Description
Max	... \Work \Cookie Products	Handling Spec	*		WS	Write up cookie handling specification with quality group
Max	... \Work \Cookie Products	2Q Forecast	***		Dg	Forecast material production requirements for 2nd quarter
Max	My Activities \Work \Staff	Veggie Prod. Mgr	***		WS	Hire Product Manager for Vegetable product line
Max	... \Work \Customers	East Coast PPT	*			Write sales presentations for east coast trip
Max	... \Work \Customers	Review Sales	***			Review sales shortfalls for quarter
Max	... \Work \Administrative	Repair Copier	**		Dg	Repair copier machine under warrantee

2520

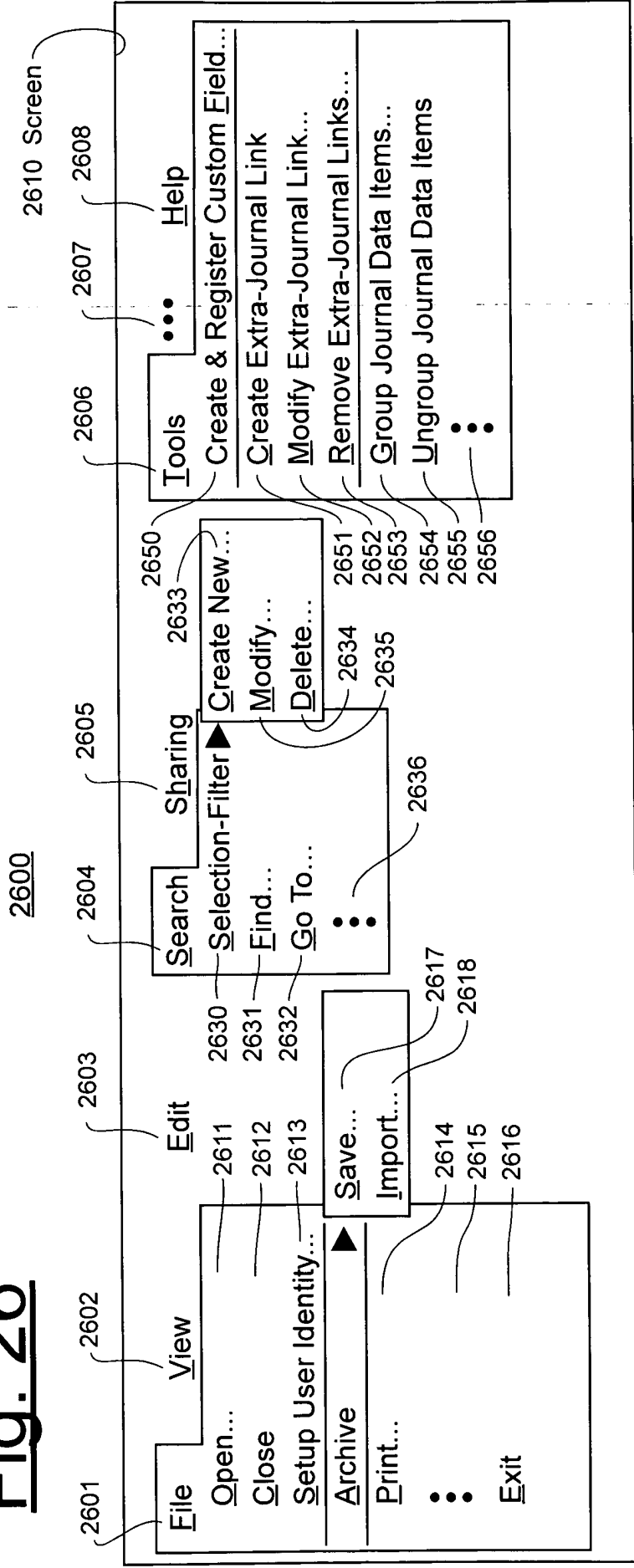
Participant Versions of Selected Activity (and Respective Child Activities)

Owner User Name	Parent Activity(s)	Short Name	Priority	Status	Sharing	Long Activity Description
Harry		Handling Spec	*		Waiting	Write up cookie handling specification with quality group
Adam	... \Work \Specs	Cookie Spec	**		WS	Write up cookie spec CH-4102 with quality group
Adam	... \Specs \Cookie Spec	Constraints	***			Draft handling constraints listing
Adam	... \Specs \Cookie Spec	Costs	**	P		Obtain operator & equipment cost figures
Tom	... \Work \Prod Unit Stuff	Handling Spec	*		WS	Write up cookie handling specification
Tom	... \Handling Spec	ISO Standards	***	D		Research cookie-related ISO standards

## Fig. 25B



# Fig. 26





# Fig. 27

2700

